# CONSTRUCTION NEWS

## Some of the Week's Large Projects

AMONG the announcements for the current week are the following:

### Proposed Work

Hydro-electric project, Safe Harbor, Pa., Pennsylvania Water Power Co. making tentative plans, $30,000,000.

Office and library, Chicago, Ill., Bd. Educ. plans, $10,000,000.

Factory, Los Angeles, Calif., Firestone Tire and Rubber Co., will build, $7,000,000.

Water supply, Fort Worth, Tex., Water Control League voted bonds, $6,500,000.

Port development, Seattle, Wash., Comrs. Port Seattle making plans, $6,000,000.

Auto factory, Atlanta, Ga., General Motors Corp. purchased site and plans 4 buildings, $5,000,000.

Hotel, St. Louis, Mo., Lafayette Realty Co. soon takes bids, $3,000,000.

Railway, Oklahoma and Texas, Clinton & Oklahoma Western R.R. Co. plan 95 mi. railroad, $3,729,845.

Grade crossing eliminations, New York, New York Central R.R. Co. making plans, $3,215,000.

Sewers, Ft. Wayne, Ind., making plans new disposal plant, $2,500,000.

Club, New York, N. Y., Downtown Athletic Club takes bids in December, $2,225,000.

Pulp mill, Tacoma, Wash., Union Bag & Paper Co., having preliminary plans prepared, $2,200,000.

Clubhouse, Boston, Mass., Trustees Durant, Inc., plans, $2,000,000.

Dormitory, Berkeley, Calif., University of California having plans prepared, $1,750,000.

Warehouse, New York, N. Y., Lord & Taylor having plans prepared, $1,500,000.

Sewers, Seattle, Wash., Dept. Pub. Wks. plans, $1,500,000.

School Bldg., Somerville, Mass., City takes bids about Oct. 20, $1,200,000.

Garage, Newark, N. J., G. Bell plans, $1,000,000.

### Bids Desired

Bridge, Toronto, Ont., Dec. 19, by R. M. Smith, Dept. Pub. Highways, $1,000,000.

### Bids Received

School, Amenia, N. Y., Commissioner Mental Hygiene, Albany, Oct. 19, general contract, from Seglin Harrison Constr. Co., Inc., Buffalo. $2,359,220.

### Contracts Awarded

Amusement Center, Newark, N. J., Newark Auditorium, Inc., general contract to C. T. Willis, Inc., New York City, Archts. est. $6,000,000.

Paper mill and power plant, Kapuskasing, Ont., Spruce Falls Power & Paper Co. to Morrow & Beatey, Peterboro, Engrs. est. $5,000,000.

Office and garage, San Francisco, Calif., F. C. Morgan to Lindgren-Swinerton, Inc., approximately $4,000,000.

Bridge, Chicoutimi, Que., Harbor Comrs. Ste. Anne de Chicoutimi Bridge & Wharves, to Quinlan, Robertson & Co., Ltd., Montreal, $3,000,000.

Mill, Gatineau, Que., International Fibre Board, Ltd., to Fraser Brace Constr. Co., Montreal. Engineers total est. $2,000,000.

Boiler room, turbine room, etc., Hammond, Ind., State Line Generating Co., to Herlihly Bros., Chicago, approximately $2,000,000.

Theatre and commercial building, Rochester, N. Y., Graven & Mayger, archts., Chicago, masonry to J. B. Pike & Co. for Bonarge Corp., New York City, archts. est. $1,500,000.

Clubhouse and hotel, New York, N. Y., J. M. Howells, archt., to Hegeman-Harris Co., Inc., $1,250,000.

Paperboard plant, Toronto, Ont., Dominion Boxboards Ltd., general contract, to Toms Contg. Co.; piling, to Russell Constr. Co., Engrs. est. $1,000,000.

Apartment, Long Beach, Calif., L. Mayell to Kume & Westerhouse, Los Angeles, approximately, $1,000,000.

Bank and office, Tulsa, Okla., Weary & Alford, archts., Chicago, Ill., to F. B. Siesel & Co., Milwaukee, Wis.; to Maine & New Hampshire Granite Corp., North Jay, Me.; to Northwestern Terra Cotta Co., Chicago, Ill.; and to R. Grimshaw. Archts. est. to exceed $1,000,000.

## News of the Week

## Waterworks

### Proposed Work

**Conn., Bloomfield** — Bloomfield Center Fire Dist. soon takes bids 11,000 ft. 10 in. main from West Hartford line to Bloomfield Center. Private plans. $50,000.

**N. J., Brielle**—Boro Council plans waterworks. $72,000. P. R. Shingler, boro clk.

**N. J., New Bedford** (mail Belmar)—Wall Twp., H. C. Warwick, clk., plans storage tank, mains etc. in various streets.

**Md., Hagerstown** — Bd. Water Comrs. soon takes bids 43,000 ft. 24 in. c.i. pumping mains in various streets. G. L. Bean, Hagerstown, engr.

**Ga., Jesup**—Voted $50,000 bonds, waterworks and sewers in various streets.

**Tenn., Cookeville**—Made plans extending 12,000 lin.ft. 6 in. rein.-con. mains in various streets. $17,000. F. E. Collier, Cookeville, engr.

**Tenn., Petersburg**—Voted $25,000 bonds, water plant.

**Mich., Royal Oak** (Ind br. Detroit)—R. J. Whitney, city mgr. soon takes bids 2¼ mi. 48 in. mains connecting waterworks with Detroit water system, also plans 1½ m.g. storage tank at end city's supply main, for City.

**Wis., Osseo**—See "Sewers."

**Kan., Irving**—Soon takes bids 30,000 gal. tank on 110 ft. tower, wells and pumps.

**Tex., Amarillo**—City, c/o J. D. Bartlett, soon takes new bids 600 ft. 4 in. and 15,000 ft. 6 in. Class "B" c.i. pipe; also one thousand eight hundred ft. ⅝ in., twenty-five ft. 1 in. and fifty ft. 2 in. bronze split cast, disk water meters. Former bids rejected. H. B. Jones, city engr.

**Tex., Ft. Worth** — Tarrant Co. Water Control League, voted $6,500,000 bonds, water supply and flood control, incl. reservoir at Eagle Mountain and one near Bridgeport in Wise Co. Hawley & Freese, 403 Cotton Exch. Bldg., engrs. Noted Sept. 22.

**Tex., Glen Rose**—Defeated $66,000 bonds, waterworks, incl. Trinity well, elevated tank and tower, water mains, laterals, hydrants, etc. H. B. McAllister, 519 North 12th St., Waco engr.

**Tex., Goose Creek** — Soon takes bids waterworks and sewer improvements. $57,000 bonds voted for same. Engineer not announced.

**Tex., Jasper** — Voted $110,000 bonds, waterworks. Address A. L. Black, Jasper, mayor.

**Tex., San Antonio**—See "Unclassified."

**Okla., Blair**—Made surveys new waterworks, incl. motor driven triplex pump, 16,500 ft. 4- to 8-in. c.i. pipe, etc. $25,000. Benham Eng. Co., Gumbel Bldg., Kansas City, Mo., engrs.

**Okla., Clinton**—Making preliminary plans extending 15,500 ft. 6- to 10-in. mains in various streets. $21,000. D. S. Elliff, Clinton, engrs. Noted May 26.

*THESE reports are grouped under each class (water-works, sewers, etc.) and under each stage of the work (proposed, bids desired, etc.), according to the following geographic sections: New England, Middle Atlantic, South, Middle West, between Mississippi and Rocky Mountains, Far West, and Canada.*

*Where name of official is not given inquiries should be addressed to City Clerk, County Clerk, or corresponding official.*

**Calif., Burlingame**—Making plans 1½ m.g. reservoir. J. S. James, city engr. Noted June 9.

**Ont., Oshawa** — Plans 1 mi. 6 in.. c.i. mains, valves, hydrants, etc., in several streets. $20,000. W. C. Smith, Municipal Offices, engr.

### Bids Desired

**S. C., Charleston**—Dec. 5, by Comrs. Pub. Wks., J. E. Gibson, mgr. and engr. 14 George St., constructing 4½ mi. 7 ft. horseshoe shaped tunnel diverting waters of Edisto River into drainage area of Ashley River; adv. E. N.-R. Oct. 27.

**Ind., Osgood**—Nov. 1, by G. A. Triplett, secy. Water Works System, 22,870 ft. 2- to 8-in. c.i. mains, 12,000 lb. c.i. specials, forty 4 in. hydrants, two 2 in., twelve 4 in. and seven 6 in. gate valves, one 75,000 gal. elevated tank, filter plant and low service pump. Edward Flad & Co., 916 Chemical Bldg., St. Louis, Mo., engrs. Noted Sept. 29.

**Minn., St. Paul**—Nov. 1, by A. E. Eggert, city purch. agt., 200,000 gal. rein.-con. and brick tank on 123 ft. tower in Highland Park, for Water Dept. $60,000. F. X. Tewes, City Hall, engr. Noted Aug. 11.

**Mo., Ironton** — Nov. 2, by City Clerk, 100,000 gal. concrete reservoir, 28,225 ft. 4- to 8-in. c.i. mains, 30 gate valves, deep well pumphouse, plunger type pump, 39 fire hydrants, etc. W. A. Fuller, 1912 Ry. Exch. Bldg., St. Louis, engrs. Noted Oct. 20.

**Mo., St. Louis**—Nov. 15, by Bd. Pub. Serv., 208 City Hall, two 48 in. steel conduits with cast steel fittings, manifold and venturi meter opening; also one 60 in. conduit, etc. $90,000. L. Day, City Hall, comr.

**Okla., Stillwater**—Nov. 8, by C. K. Bullen, supt. Water Dept., 2 unit mechanical water softener. $30,000.

### Contracts Awarded

**Mass., Boston**—See "Excavation, Drainage, Irrigation, Levees, River and Harbor."

**N. Y., Harriman**—Village Trustees, Harriman School, pipe and branches, to R. D. Wood & Co., 400 Chestnut St., Phila., Pa., $13,590; hydrants and valves, to M. F. Smith Co., 81-83 Fulton St., New York City, $4,970; laying pipe, trenching, etc., to W. G. Fritz Co., Inc., 69 Main St., West Orange, $15,882; artesian well, to J. P. Harris, Port Chester, $1,500; and steel reservoir, to Chicago Bridge & Iron Wks., 30 Church St., New York City, $4,800. Grand total $40,742. Noted Sept. 15.

**N. Y., Long Island City** — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains in Roosevelt and Woodside Aves., here, to Wataga Contg. Co., 308 Lenox Ave., New York City, $16,340. Noted Oct. 6.

***See proposal advertising on page 124***

TRADE "LEADITE" MARK

Registered U. S. Pat. Office

## Laid 10 miles of water main—and satisfactory in every particular!

***—said a waterworks engineer of national reputation, referring to this installation***

*Here is the story:—*

THE Second Taxing District, South Norwalk, Connecticut, U.S.A., has just completed the installation of approximately ten miles of cast iron bell and spigot water mains, varying in size from 6" to 18". The work included the placing of about fifty cutting-in-tees on existing piping and their connection to new work.

Leadite was selected for jointing material after receiving competitive bids for laying with lead.

The total amount of the successful bids for all work, excepting the furnishing of the cast iron pipe, specials and valves, was as follows:

| | |
|---|---|
| Lead Joints | $155,631 |
| **LEADITE** Joints | 142,535 |
| *Difference* | $ 13,096 |
| Saving in favor of **LEADITE** | 8.4% |

The work was performed by contractors experienced in the use of this material and was satisfactory in every particular.

***Specifications*** required that after laying, the pipe should be tested for leakage under water pressures varying from 40 pounds to 115 pounds per square inch, and that the leakage should not exceed two gallons per 24 hours per linear foot of joint. The results of the tests were well within this limit.

This work was under the direction and supervision of Mr. Nicholas S. Hill, Jr., Consulting Engineer, 112 East 19th Street, New York, N.Y., U. S. A.

Leadite is used extensively by thousands of water works engineers, superintendents and contractors with excellent results.

**Specify and use LEADITE It saves at least 75%**

**Be sure it is LEADITE and accept no imitations**

***The pioneer self-caulking material for c. i. pipe. Tested and used for over 30 years.***

THE LEADITE COMPANY . . Land Title Building . . PHILADELPHIA, PA., U. S. A.

# NO CAULKING

Waterworks (Continued)

**N. Y., Mount Kisco** — Bd. Village Trustees, F. R. Matthews, clk., mains and appurtenances in various streets, to W. E. Sexton, Mineola, $158,609. Noted Oct. 6.

**N. Y., New York** — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Birchall, Brady Aves., etc., Bronx Boro, to Sareno Contg. Co., 1959 Colden Ave., $9,925. Noted Oct. 6.

**N. J., Belmar**—Mayor and Council, Boro Hall, chlorinating tank, pumping station, etc., to T. Proctor, Long Branch, $44,800. Noted Oct. 13.

**Md., Baltimore**—Bd. Awards at office City Register, City Hall, curb stop and roadway valve boxes to Bureau Water Supply, for Mayor and City Council, to Levering Bros., 210 Key Highway, $8,020. Noted Sept. 29.

**Miss., New Albany** — Digging well, to Layne Central Co., Chelsea Ave., Memphis, Tenn. Engrs. est. $16,000.

**Miss., Water Valley**—City, 2 story, 61 x 105 ft. water and light plant, rein.-con., brick and steel also power plant equipment, etc., to G. S. Voltz, Ripley, Tenn., $43,964. Noted June 16.

**O., Columbus** — F. J. Donnally, clk. Franklin Co., 4,235 ft. 6 in. mains in Clinton Sewer Dist. 2, Impvt. 93, to B. Canini, 1898 Cleveland Ave., $7,585.

**Okla., Cordell** — Waterworks improvements, to Western Constr. Co., 1st Natl. Bank Bldg., Oklahoma City, $21,400. This corrects report in Oct. 20 issue.

**Calif., Beverly Hills**—For aeration plant, 200 x 280 ft. with 100 ft. central tower, etc., to Carpenter Bros., 457 North Canyon Dr., $145,700; also equipment for aeration plant, to California Filter Co., Sun Finance Bldg., Los Angeles, $44,950.

**Calif., Burbank**—For 5,000 ft. 6 in. c.i. pipe, to Amer. C. I. Pipe Co., Rives-Strong Bldg., Los Angeles, at $0.629 per ft.; and 7,000 ft. 4 in. to B. Nichols Co., Garland Bldg., Los Angeles, $0.419.

**B. C., Vancouver**—City Council, 5,000 ft. 24 in., ⅜ in. lap welded steel pipe, to Havey, Smillie & Co., 470 Granville St., representing Guest, Keen & Liggott, Birmingham, England, $24,796. Engrs. est. $30,000. Noted Sept. 8.

# Sewers

## Proposed Work

**Conn., Rockville**—Plans sewage disposal system. $100,000. G. W. Knight, 125 Prospect St., Passaic, N. J., consult. engr. This corrects report in Oct. 13 issue.

**Pa., Brentwood** (mail Pittsburgh)—Making plans sanitary sewers in Brownsville Rd. $50,000. R. A. Schneider, 2606 Brownsville Rd., Pittsburgh, engr.

**Ala., Montgomery**—Takes bids in November, 3,500 ft. concrete and vitr. clay sewer in various streets; also takes bids in December, pipe, Div. Southern Outfall sewer, 10,000 ft. 12 in. vitr. J. M. Garrett, engr.

**Va., Roanoke**—See "Streets and Roads."

**Ga., Jesup**—See "Waterworks."

**O., Oxford** — Making plans sewage disposal plant. $250,000. G. B. Gascoigne, Leader Bldg., Cleveland, engr.

**Ind., Ft. Wayne** — Making plans new disposal plant and reconstructing sewerage system. Fuller & McClintock, Summit Cherry Bldg., Toledo, O., engrs. $2,500,000. Noted Apr. 28.

**Mich., Detroit**—Wayne Co. made plans Grosse Isle Drain 2, 2,060 ft. 12 to 42 in. concrete or vitr. pipe; Lakewood Dr. Drain, 1,330 ft. 12 to 24 in. pipe; Island Dr. Arm, 190 ft. 15 and 18 in. pipe; West River Rd. Lateral ,2,600 ft. 12 to 18 in. pipe; University Dr., Miami Dr. and Harvard Dr. Laterals, 2,620 ft. 12 in. pipe. G. A. Dingeman, County Bldgs., drain comr.

**Mich., Detroit**—Wayne Co. made plans Grosse Isle Drain 3, 1,740 ft. 12- to 30-in. crock or concrete pipe; Lakewood Dr. Arm, 720 ft. 12, 18, and 30-in.; Island Dr. Arm, 1,240 ft. 12- to 21-in.; Meridian Blvd. Lateral, 1,270 ft. 12- to 15-in.; Golf View Blvd. Lateral, 2,200 ft. 12- to 15-in.; Blackmore Dr. and Forest Dr. Laterals, 1,540 ft. 12 in. G. A. Dingeman, County Bldgs., drain comr.

**Mich., Detroit**—Dept. Pub. Wks. making plans Detroit River Interceptor Sect. 6 in Franklin and Woodbridge Sts., 4,900 ft. monolithic concrete circular section 14 ft. interior diam. P. A. Fellows, city engr.

**Wis., Osseo** — Voted $25,000 bonds, sewers and waterworks. Total $100,000. Druar & Milinowski, 500 Globe Bldg., St. Paul, Minn., engrs.

**Tex., Clifton** — Voted $59,000 bonds, sewerage system. Address City Secretary.

**Tex., Glen Rose**—Defeated $50,000 bonds, sewer improvement, incl. disposal plant. H. B. McAllister, 519 North 12th St., Waco, engr.

**Tex., Goose Creek**—See "Waterworks."

**Tex., Jasper** — Voted $65,000 bonds, sewerage system. Address A. L. Black, Jasper, mayor.

**Tex., San Antonio**—See "Unclassified."

**Okla., Blair** — Made surveys 19,900 ft. 8- to 12-in. sewers in all streets, incl. disposal plant, and Imhoff tank. $27,000. Benham Eng. Co., Gumbel Bldg., Kansas City, Mo., engrs.

**Okla., Claremore** — Defeated $53,000 bonds, 24,000 ft. outfall sewers in various streets. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs. Noted July 21.

**Okla., Edmond** — Voted $27,000 bonds, extending sewers in various streets. F. H. Peckham, 225 West Grand St., Oklahoma City, engr. Noted Oct. 20.

**Okla., Lawton** — Making preliminary plans 18,000 ft. 8 in. rein.-con. sewers in 6th and 9th Sts. $25,000. G. Dale, Lawton, engr.

**Okla., Ponca City**—Making plans 17,600 ft. 8- to 12-in. sewers in Dist. 58. $33,600. H. W. Crawford, Ponca City, engr.

**Okla., Wellston** — Voted $33,000 bonds, sewerage system. J. C. Milliken, Continental Bldg., Oklahoma City, engr. Noted Sept. 16, 1926.

**Wash., Seattle**—Dept. Pub. Wks. making plans 2.5 mi. trunk sewer and concrete tunnel under Beacon Hill at Hanford St.; also Ballard Trunk Sewer, 2 mi. 7 ft. concrete. $1,500,000. W. C. Morse, city engr.

**Ont., Oshawa**—Plans rein.-con. probably activated sludge type sewage disposal plant. $500,000. W. C. Smith, Municipal Offices, engr.

**Ont., Toronto**—York Twp. plans 5 mi. 8 in. and up vitr. tile sewers in Symes Rd., Humbercrest Blvd., and 6 avenues. $137,653. F. B. Goedike, 40 Jarvis St., engr.

## Bids Desired

**N. Y., New York**—Nov. 1, by H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., sewers in Whitlock, Patterson, Compton, Lurting, Hering, Walton and Crosby Aves.; grading, etc. Morris Park and Mayflower Aves.

**N. J. Newark** — Nov. 10, at City Hall, constructing Sect. 4, Supplementary Joint Trunk Sewer for East Orange, Hillside, Irvington, Maplewood, Milburn, Newark, Roselle Park, South Orange, Summit and West Orange. A. Potter, 50 Church St., New York City consult. engr.; adv. E. N.-R. Oct. 27.

**Md., Baltimore**—Nov. 2, by Bd. Awards, sanitary sewers and storm drains in Dists. 49, G-14, and P-4, Storm Water Contr. 109. M. J. Ruark, 311 Courtland St., sewerage engr.

**Okla., Crescent** — Oct. 31, by A. B. Powell, city clk., 18,800 ft. 6- to 10-in. sewerage system, incl. disposal plant, Imhoff tank, etc. $25,000. C. B. King, 829 East Park St., Oklahoma City, engr.

**Okla., Ponca City** — Nov. 3, by C. E. Norton, city clk., extending 47,010 ft. 6- to 12-in. sewers in Sewer Dist. 47. $67,000. H. W. Crawford, Ponca City, engr.

**Calif., Marysville**—City Trustees taking bids 3,645 lin.ft. vitr. or concrete sewers, etc., in Yuba St. P. Diver, city engr.

## Contracts Awarded

**Mass., Nahant**—Sewerage system, to A. Baruffaldi, Parker Pl., Somerville, $37,994; and pumping station, to J. Ballintine, 79 Sudbury St., Boston, $9,000.

**N. Y., Brooklyn** — J. J. Byrne, pres. Brooklyn Boro, Boro Hall, to C. Ambrosio, 10404 97th Ave., Richmond Hill, sewers in Stanley Ave. $620, Hopkinson Ave. $789, 17th Ave. $312, and 94th St. $504. Grand total $2,225. Noted Oct. 6.

**N. J., Hawthorne** — Boro Comrs., J. A. Shea, clk., School 1, Lafayette Ave., Sept. 30, Sects. 1 and 3 sewerage system, to C. Alberto, 308 West Bway., Paterson; and Sect. 2, to LoPorto Constr. Co., 50 South Main St., Lodi. Engrs. est. approximately $350,000. Noted Sept. 15.

**S. C., Greenville** — Greater Greenville Sewer Dist. Comn., E. H. Fry, supt., Oct. 19 (3rd unit), vitr. clay and c.i. sewerage system from Richland creek to Southern R.R. tracks, to Tucker & Laxton, Independence Bldg., Charlotte, N. C., $70,220. Noted Oct. 13.

**Mich., Detroit** — Dept. Pub. Wks., 1,380 ft. 12- to 24-in. vitr. crock sewers in Lateral Sewer 4915, to Detroit Drainage Constr. Co., Meyers Rd. $3,799, 1,197 ft. Lateral Sewer 4916, to B. Cornacchia, 17644 St. Louis Ave. $4,600, 14,580 ft. in Lateral Sewer 4629, and 16,693 ft. Lateral Sewer 4930, to Louwers & Sommerville, 1224 Michigan Theatre Bldg. $84,770; also 24,413 ft. 12- to 24-in. concrete sewer in Lateral Sewer 4923, to G. Vella, 516 Transportation Bldg., $72,300. Grand total $165,469.

**Ill., Chicago** — Bd. Local Impvts., Room 207, City Hall, drains in portions North California Ave., to Angelo Santucci, Chicago, in North Oak Park and Saginaw Aves., to M. Murphy, 5854 South Michigan Ave.; tile sewers with brick manholes and brick catch basins in portion Avenue M, to O. Scully, 7658 Laflin Ave., in Roscoe St., Hood and Granville Aves., to F. A. Coda, 2710 South Wells St., in West 80th St. and Lowe Ave., to G. Barry, 5924 South Wabash Ave., in South Union Ave., to A. Scully, 5467 Kamerling St., and in South State St., to G. Anderson, Chicago.

**Wis., Milwaukee**—Dept. Pub. Wks., R. E. Stoelting, comr., to Milwaukee Sewer & Drainage Co., 928 Humboldt Ave., sewer in Burdich Ave. $15,013, Jackson Dr. $4,302, Logan Ave. $3,132, 9th Ave. $4,861, 29th Ave. $9,554, and 26th Ave. $11,182; to Deoroz & Phillips, 468 Washington St., 58th St. $438, and Hawley Rd. $3,662; to Zimmermann & Zimmermann, 3402 Wisconsin Ave., 51st St. $3,872, and 24th Ave. $21,054; to W. T. Werner, 575 Hi-Mount Blvd., 40th St. $2,124. Grand total $117,904.

**N. D., Jamestown**—State Bd. Administration, E. G. Wanner, secy., Bismarck, sewage disposal plant at State Hospital for Insane, here, to E. A. Moline, Jamestown, $39,640. Noted Sept. 22.

**Mo., St. Louis**—Bd. Pub. Serv., 208 City Hall, 400 ft. sanitary sewer section to link finished section of River Des Peres Project with Sect. D through Forest Park; also cleaning boulders, etc., from completed part River Des Peres Improvement, to W. E. Callahan Constr. Co., Arcade Bldg., $27,075 and $22,755 respectively. Noted July 7.

**Calif., Inglewood**—O. H. Duelke, city clk., vitr. sewers in Project 8, Impvt. Dist. 2, to Chutuk, Kordich & Vukojevich, 871 Main St., El Segundo, $62,859.

**Calif., Los Angeles**—Los Angeles Co. Sanitation Dist. 1, trunk sewer in Compton Ave., to R. Metcalf, 1935 North Commonwealth Ave., $64,300.

**Calif., Santa Monica**—Sewer in Dewey and Marine Sts., etc., to Gogo & Rados Co., 3274 Descanso Dr., $40,276. Noted Oct. 20.

**Ont., Toronto**—T. H. Foster, mayor, approximately 3,000 ft. circular brick trunk sewer in Eglinton, Tyrol, and Ingwell Aves., to John Maguire Contg. Co., 964 Mount Pleasant Rd., $98,769. Engrs. est. $100,000. Noted Sept. 15.

# Waste Disposal

## Bids Desired

**Ill., Chicago**—Nov. 9, by City, Room 406, City Hall, 600 ton incinerator complete with furnaces, buildings, chimney, equipment, etc. R. W. Wolfe, comr. Pub. Wks.

# Bridges

## Proposed Work

**Del., Wilmington**—Making plans market St. bridge over Brandywine Creek, on 16th St.; replacing old covered bridge by constructing Rising Sun Bridge and replacing draw bridge by constructing Odessa Bridge, over Appoquinimink Creek on Odessa-Fieldsboro Rd. Harrington, Howard & Ash, 55 Liberty St., New York City, consult. engrs.

**Tennessee**—State Dept. Highways & Pub. Wks., Nashville takes bids about Dec. 15, 2 concrete and steel bridges over Tennessee River, one at Niles Ferry, Monroe Co. $190,000 and other near Perryville, Perry Co. $900,000. C. N. Bass, highway comr. This corrects report in Oct. 6 issue.

**Tenn., Jasper** — Marion Co. and State Dept. Highways & Pub. Wks., Nashville, plan 4 bridges (probably concrete) over Guzzard and other creeks, on Nashville-Chattanooga Rd., State Route 2. To exceed $25,000.

**Mo., St. Joseph** — Voted $400,000 bonds, rein.-con. and steel bridge over Missouri River, here. W. M. Spann, City Hall, engr.

**Tex., San Antonio**—Making plans 1 span 70 ft. rein.-con. bridge, 60 ft., on Grand Ave. $30,000, and 1 span 70 ft. bridge, 45 ft., on Arsenal St. $30,000, both across San Antonio River, I. Ewig, city engr.

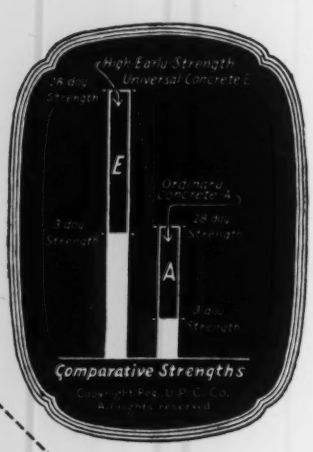
**Oklahoma**—State Hy. Comn., Oklahoma City, making preliminary plans 96 ft. steel

*Constr. News page 214*

# "Traffic Must Not Be Interrupted,"

## Said the Officials

## And This Is How the Contractor Responded




Paving of Ingram Avenue, Pittsburgh, reached Duncan Street just as that thorofare was scheduled to receive "detour" traffic from another important highway. City officials declared that this traffic must not be interrupted and that Ingram Avenue must be completed without interfering with Duncan Street.

McLaughlin Contracting Co., Pittsburgh, contractor, solved the problem by using *High-Early-Strength* Universal Concrete.

At 3 *days* the concrete was stronger than ordinary concrete at 28 *days*. At 5 *days* it exceeded the requirements and was opened to traffic. At 7 *days* it was more than twice as strong as ordinary concrete at 28 *days*. In addition to the higher *early* strength, this concrete has a higher *ultimate* strength, and is therefore *permanently* better and stronger concrete. (See diagram.)

*High-Early-Strength* Universal Concrete can be used on all types of jobs. It is made by using fully tested methods with the usual labor, usual materials, usual equipment and usual Universal cement. For full details send in the accompanying coupon.

Name .....

Address .....

UNIVERSAL PORTLAND CEMENT CO.
210 South La Salle Street, Chicago
Without obligation, please send me detailed information on methods of securing strong concrete in 3 days with the usual materials and equipment.
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**Universal Portland Cement Co.**

Chicago Pittsburgh Minneapolis Duluth Cleveland Columbus New York

**Concrete for Permanence**

Bridges (Continued)

truss bridge over Cache Creek west of Temple, $25,000; also 110 ft. steel truss bridge on piers over Beaver Creek and 140 ft. steel truss span bridge over Plum Creek, both on Highway 5, east of Walters, $30,000 each, all in Cotton Co. C. R. Mandigo, Capitol, Oklahoma City, engr.

**Okla., Lawton**—Making preliminary plans 1 span 36 ft. rein.-con. trestle, on 2nd St. $25,000. G. Dale, Lawton, engr.

**Okla., Oklahoma City** — Making preliminary plans 3 span 320 ft. concrete trestle, on Walnut St. $150,000. B. M. Hart, City Hall, engr.

**Okla., Snyder**—Making preliminary plans 2 span 46 ft. rein.-con. trestle, 37.7 tons I-beam steel, 16.45 tons reinforcing, 1,100 ft. wooden piling, etc. $25,000. E. W. Gantt & Co., 1116 West Main St., Oklahoma City, engrs.

**Colo., Pueblo**—Pueblo Co., c/o W. Barber, clk., plans 3 or 4 span approximately 300 ft. bridge over Fountain River. $40,000. W. Peach, Masonic Blk., engr.

**Wash., Blaine** — State Hy. Comn., Olympia, takes bids about Nov. 10, 350 ft. concrete bridge, 24 ft. roadway and 5 ft. sidewalk over Dakota Creek, near here. $40,000. S. J. Humes, state highway engr.

**Ont., London**—Plans 300 ft. steel bridge, on Dundas St. $125,000. W. P. Near, City Hall, engr.

## Bids Desired

**New York** — Nov. 9, by Westchester Co. Park Comn., 72 West Pondfield Rd., Bronxville, 2 stone faced rein.-con. and 3 timber faced rein.-con. bridges, on Saw Mill River Parkway, in Hastings, Dobbs Ferry and Greenburgh. J. Downer, Bronxville, ch. engr.; adv. E. N.-R. Oct. 27.

**N. Y., Mount Pleasant** (mail Hawthorne) —Nov. 7, by Westchester Co. Park Comn., 72 West Pondfield Rd., Bronxville, substructure, foundations and wing walls for bridge over New York Central R.R. tracks, north of Mt. Pleasant R.R. station, here. J. Downer, ch. engr.; adv. E. N.-R. Oct. 27.

**Pa., Phila.** — Nov. 2, by C. E. Walsh, purch. agt. Pennsylvania R.R. Co., 15 North 32nd St., West Phila., bridge superstructures, Contr. 121-1927. T. J. Skillman, Broad St. Sta., ch. engr. railroad.

**Pa., Pittsburgh** — Nov. 2, by Comrs. Allegheny Co., Court House, granite pylons for Liberty Bridge 10, over Monongahela River. C. C. McGovern, co. controller.

**S. C., Greenwood** — See "Streets and Roads."

**Miss., Winona**—See "Streets and Roads."

**Louisiana**—Nov. 15, by State Hy. Comn., Baton Rouge, Castor Creek Bridge, on Olla-Winnfield Highway, State Project 434-A, LaSalle Parish. N. W. Bowden, Reymond Bldg., Baton Rouge, highway engr.

**Minnesota**—See "Streets and Roads."

**Tex., Kerrville**—See "Streets and Roads."

**Oklahoma**—Nov. 8, by State Hy. Comn., Oklahoma City, 11 span, 132 ft. timber pile trestle at Ayelsworth, Marshall Co. $30,000. C. R. Mandigo, Capitol, Oklahoma City, engr.

**Okla., Darrow** — Nov. 8, by J. Stains, clk. Blaine Co., Watonga, 2 span, 90 ft. steel truss span bridge on pile piers, here. $25,000. C. W. Simonds, Watonga, engr.

**California**—Nov. 7, by State Hy. Comn., Sacramento, one 90 ft. steel deck truss and one 35 ft. concrete girder span bridge over Shotgun Creek, point 3½ mi. south of Sims, Shasta Co.; and three 19 ft. span, and eight 19 ft. span timber bridges, both on creosoted pile bents, Imperial Co. R. M. Morton, Strub Bldg., Sacramento, engr.

**Ont., Toronto**—Dec. 19, by R. M. Smith, deputy minister Dept. Pub. Highways, Parliament Bldgs., 500 ft. rein.-con. or structural steel and concrete bridge, 100 ft. high over Don River, on Yonge Blvd. $1,000,000. A. B. Crealock, Whitney Blk., bridge engr.

## Bids Received

**New York and New Jersey** — J. E. Ramsey, ch. executive officer Port Authority, 75 West St., New York City, Oct. 14, constructing concrete decks of Outerbridge Crossing over Arthur Kill, between Tottenville, N. Y. and Perth Amboy, N. J., from Cornell Contg. Co., Grand Central Terminal, New York City, N. Y., $626,730; and Elizabeth-Howland Hook Bridge between Elizabeth, N. J. and Howland Hook, N. Y., from A. A. Volk Co., 1819 Bway., New York City, $478,650. Noted Oct. 6.

## Contracts Awarded

**Maine**—State Hy. Comn., Augusta, constructing Depot Bridge, in Cornish, 1,557 cu.yd. concrete, etc., to Cyr Bros. Co., Waterville, $55,841; International Bridge St. Croix River, 367 cu.yd. concrete, to McPhail & Mazor, Woodstock, $10,780; Warren and Burnell Bridges, Baldwin, to J. Cook, Portland, $5,165 and $3,371 respectively; Toll Bridge, Bethel, 416,000 lb. steel, and Wadsworth Bridge, Thomaston, incl. 25,000 lb. machinery, to Boston Bridge Wks., 47 Winters St., Boston, Mass., approximately $25,000 and $36,102 respectively. Noted Sept. 22.

**Connecticut**—See "Excavation, Drainage, Irrigation, Levees, River and Harbor."

**N. Y., Syracuse**—Bd. Contr. & Supply, City Hall, steel bridge, on Walton St., to W. M. Ballard, City Bank Bldg., $20,329.

**New Jersey**—Bergen Co., Court House, Hackensack, replanking bridge with wood blocks, on Paterson Plank Rd., between Hudson and Bergen Counties, to Stevens Alquist, Inc., 191 Main St., Hackensack, $85,727.

**New Jersey**—State Hy. Comn., Trenton, steel and concrete bridge over Big Timber Creek, on Route 6 M.P. 28.5 Camden and Gloucester Counties, to Brann & Stuart, Commercial Trust Bldg., Phila., Pa., $250,290. Noted Sept. 29.

**Pennsylvania**—State Hy. Comn., Harrisburg, 152 ft. concrete and steel bridge, 20 ft. over French Creek, Erie Co., to Milliron Constr. Co., Du Bois, $39,917. Noted Sept. 8.

**La., New Orleans**—Dept. Pub. Finances, Purchasing Div., City Hall, superstructure electrically operated plate girder swing bridge across New Basin Canal, on South Claiborne Ave., to W. H. Williams Southern Bldg., $56,450. Noted Sept. 15.

**Ohio**—G. F. Schlesinger, dir. Highways & Pub. Wks. Columbus, 24 ft. span slab bridge over Marsh Run, on Sect. "Bluffton North" Lima-Sandusky Rd., Allen Co., to P. B. Putnam, New Haven, Ind., $2,898; one 12 ft., one 13 ft., two 15 ft. and one 24 ft. span slab bridges, on Sects. "B" and "C" Mallet Creek-Bay Village Rd., Medina Co., to C. L. Morris, East Cleveland, $10,827; 32 ft. span concrete beam bridge, on Sect. "A" Grand Rapids-Bowling Green Rd., Wood Co., to Gluss Bros., Constr. Co., Hamler, $6,136; 36 ft. span bridge, etc., on Sect. "B" Loudonville-Lexington Rd., Richland Co., and two 30 span rein.-con. beam bridge, on Sect. "D" Ashland-Oberlin Rd., Ashland Co., to Allen County Paving Co., Lima, $9,345 and $8,470 respectively; 24 ft. span standard slab bridge over Leatherwood Creek, Sect. "D" Cambridge-Barnesville Rd., Guernsey Co., to Elsass-Meyer Contr. Co., Anna, $4,494; three 40 ft. span curved concrete bridge over Stillwater Creek, Sect. "D" Dennison-National Rd., Harrison Co., to Williams & Stone, 1686 Mock Rd., Columbus, $34,755; 0.019 mi. rein.-con. bridge and approaches over Turtle Creek, Sect. "1" Bono-Port Clinton Rd., Ottawa Co., to Pettibone & Graves, Lakeside, $13,200; 60 ft. span concrete bridge over Elk Fork Creek, Sect. "E" McArthur-Logan Rd., Vinton Co., to J. S. Wilson, Coalton, $8,392; 234 ft. span steel bridge over Duck Creek, Sect. "D" Ohio River Rd., Washington Co., to W. H. Helby, Marietta, $55,958. Grand total $154,375.

**O., Canton**—Stark Co., bridge south of here, to E. J. Landor Co., Renkert Blvd., $25,000, engrs. est. $25,000; also 240 ft. plain steel bridge, 40 ft., on Cherry St., Massillon, to Roberts Supply Co., Lima, $87,400, e.e. $85,000.

**Indiana**—J. D. Williams, dir. State Hy. Comn., Indianapolis, (e. e. means engrs. est.), three 100 ft. span bridge, Road 67, Contr. 178, Greene Co., and two 150 ft. span bridge, Road 66, Contr. 177, Warrick Co., to Vincennes Bridge Co., Vincennes, $69,890 and $49,981 respectively, e.e. $76,655 and $56,437 respectively; two 84 ft. span bridges, Road 34, Contr. 168, Montgomery Co., and 100 ft. span bridge, Road 43, Contr. 174, Tippecanoe Co., to W. H. Grammer, Evansville, $28,621 and $14,632 respectively, e.e. $29,691 and $14,757 respectively; two 65 ft. span bridge, Road 7, Contr. 166, Jefferson Co., to A. E. Hutten, North Vernon, $15,134, e.e. $20,103, 50 ft. span bridge, Road 31, Contr. 167, Miami Co., to Milner & Kepler, Kokomo, $11,124, e. e. $11,499; two 150 ft. span bridge, Road 41, Contr. 171, also 12,000 cu.yd. grading, to Davis Constr. Co., Kentland, $48,773, e. e. $54,374, and 32 ft. and 40 ft. span bridges, Road 41, Contr. 172, to D. Jenkins, 501 Gilbert Ave., Terra Haute, $16,238 e. e. $16,789, both Newton Co. Grand total $254,393. Noted Sept. 22.

**Mich., Mt. Clemens**—Macomb Co. Road Comn., concrete girder type bridge over Clinton River, on McKay Rd., to D. Wood, Yale. Engrs. est. $25,000.

**Kan., Ashland**—Clark Co., twenty-three 30 in. pile trestle span bridge, and grading 1.122 mi. K 21, Project 365-A, to A. R. Mackey, Greeley, Colo., $18,777 and $7,366 respectively. Noted Oct. 6 under "Streets and Roads."

**Kan., Wellington** — See "Streets and Roads."

**N. D., Kurts** (br. Glen Ullin)—Northern Pacific Ry. Co., H. E. Stevens, ch. engr., St. Paul, Minn., rein.-con. viaduct at grade separation, here, to Peppard & Fulton, 442 Metropolitan Bank Bldg., Minneapolis, Minn., approximately $25,000. Noted Sept. 29.

**Montana**—See "Streets and Roads."

**Missouri**—State Hy. Comn., Jefferson City, one 8 ft. rein.-con. slab span, etc. over creek, Crawford Co. also one 80 ft. steel truss and two 40 ft. I-beam spans, etc. over Crooked Creek, Crawford Co., to M. E. Gillioz, Monett $770 and $22,013 respectively; two 45 ft. and one 35 ft. rein.-con. deck girder spans, etc. over Chicago, Rock Island & Pacific R.R. tracks, Daviess Co., to T. F. Marbut, Liberty, $11,143; also reflooring bridge over Missouri River, Jackson and Clay Counties, to D. Munre, Kansas City, $166,000. Grand total $199,926.

**Tex., Plemons**—Hutchinson Co., W. R. Goodwin, judge, rein.-con. and steel bridge over Canadian River between Borger and Stinnett, to Austin Bridge Co., 1815 Clarence St., Dallas, $190,000. Noted Aug. 11.

**Wash., Mt. Vernon**—Comrs. Skagit Co., 240 ft. steel span bridge over Skagit River, near here, to Cramer Constr. Co., Bellingham, $27,435. Engrs. est. $40,000. Noted Sept. 15.

**Wash., Seattle**—State Hy. Comn., Olympia one span 200 ft. riveted steel through truss bridge, 48 ft. concrete roadway and two 5 ft. sidewalks over Duamish River, on State Rd. 1, near here, to J. A. McEachren, 522 Colman Bldg., Seattle, $72,337. Noted Sept. 22.

**Que., Chicoutimi**—Harbor Comrs., Ste. Anne de Chicoutimi Bridge and wharves, to Quinlan, Robertson & Co. Ltd., 702 Sherbrooke St. W., Montreal, $3,000,000. Noted Mar. 17.

**Ontario and Quebec**—Secretary Federal Dist. Comn., 53 Queen St., Ottawa, Ont., 2 abutments, 30 piers and concrete flooring in connection with extension concrete bridge over Ottawa River from Bate Island, Ottawa, Ont., to Hull, Que., to Quinlan, Robertson & Jansie Ltd., 702 Sherbrooke St. W., Montreal, Que., $147,000. Noted Sept. 8 under "Ottawa, Ont."

# Dams

## Proposed Work

**Pa., Safe Harbor**—See "Unclassified."

## Contracts Awarded

**S. D., Mitchell**—T. Eastcott, city aud., constructing dam and bridge at Firesteel Creek, to T. J. Tobin Co., Madison, $115,050. Noted Sept. 29.

# Railways

## Proposed Work

**North Carolina**—Lenior Northern R.R. Co., Lenior, C. F. Harper, one of directors, plans extending 14 mi. railroad from connection with Carolina & Northwestern R.R. near Setzer's Gap, down the Yadkin River to Buffalo Creek, etc.

**Michigan**—Pere Marquette Ry., Union Sta., Fort St., Detroit, H. A. Cassil, ch. engr., plans 17 mi. single track railway from Wixom to Pontiac.

**Oklahoma and Texas**—Clinton & Oklahoma Western R.R. Co., Wichita Falls, Tex., F. Kell, pres., plans 95 mi. railroad from Cheyenne, Okla., to Pampa, Tex. $3,729,845 incl. $128,000 for equipment. Noted May 12.

## Contracts Awarded

**Montana** — Northern Pacific Ry., H. E. Stevens, ch. engr., St. Paul, Minn., relocating Florence-Riverside Branch R.R. south of Hamilton, Bitter Root Valley, Ravalli Co., approximately 400,000 cu.yd. earth excav., and constructing 320 ft. bridge, etc., here, to Morrison-Knudsen Co., 319 Bway., Boise, Idaho. Engrs. est. $720,000. Noted July 14.

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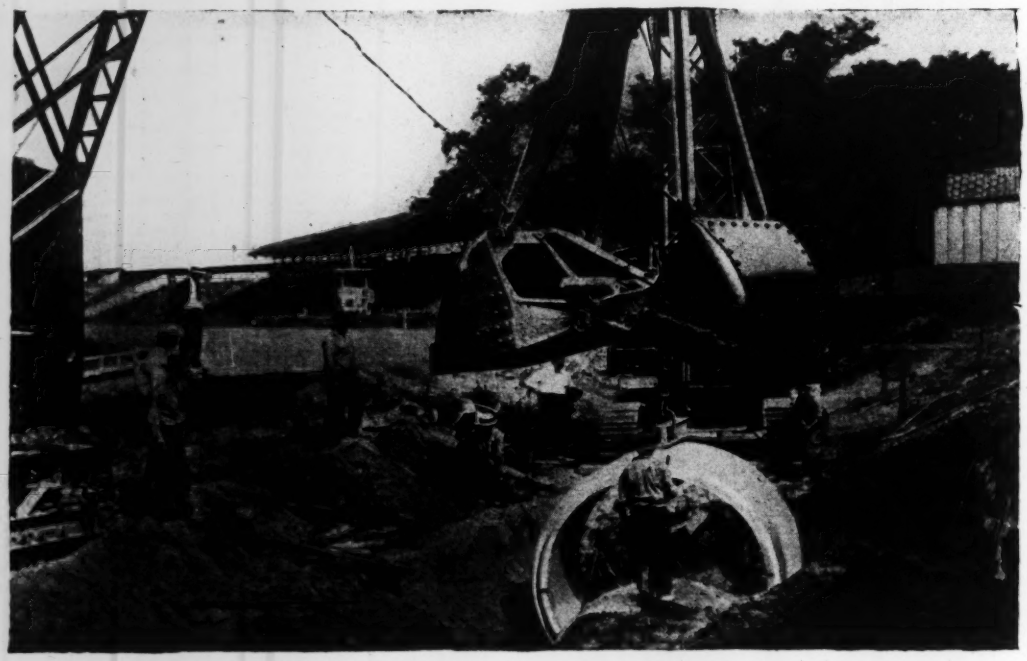

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# INDEPENDENT
## Reinforced Concrete Pipe

# Excavation, Drainage, Irrigation, Levees, River and Harbor

## Proposed Work

**N. J., Asbury Park** — Park Comrs. rejected bids Oct. 18, repairing breakwater near Deal Lake, also constructing stone and timber jetty. Will readvertise. Noted Oct. 13.

**Miss., Biloxi**—Bayou Bernard D. D. making preliminary plans drainage system, incl. 6 mi. tile and 127,000 cu.yd. open ditch. $300,000. J. W. Billingsley, Interstate Bank Bldg., New Orleans, La., engrs.

**Minn., Vernon Center**—Blue Earth Co. plans constructing D.D. 74, approximately 8 mi. 8- to 28-in. tile. $18,000. C. J. Swift, Mankato, engr.

**Ark., Conway**—Levee Dist. 1, Faulkner Co., J. E. Little, dir., soon takes bids approximately 110,000 cu.yd. levee, and repairing about 2 mi. new levee. Dickinson & White, Boyle Bldg., Little Rock, engrs. Noted Aug. 18.

**Colo., Nepesta**—Nepesta Ditch & Irrigation Co., c/o E. F. Nichols, secy., Court House, Pueblo, voted $100,000 bonds, reservoir near here.

**Ont., Ottawa**—Dept. Railways & Canals, Parliament Bldgs., plans concrete and rein.-con. retaining wall on east bank Rideau Canal at Union Station. $100,000-$150,000. W. A. Bowden, Parliament Bldgs., engr.

## Bids Desired

**Mass., Waltham** — See "Streets and Roads."

**New York**—Oct. 31, by Westchester Co. Park Comn., 72 West Pondfield Rd., Bronxville, additional fill, etc., on Hutchinson River Parkway, near Weaver St. and Mamaroneck Ave., Scarsdale, White Plains, New Rochelle. J. Downer, ch. engr.; adv. E. N.-R. Oct. 27.

**Ill., Owaneca**—Nov. 5, by Comrs. Union D.D. 1, Christian Co., at Resler Schoolhouse, 49,519 ft. ditch work, incl. 133,536 cu.yd. excav., etc. J. W. Dappert, Taylorville, engr.

## Contracts Awarded

**Mass., Boston**—Metropolitan Dist. Water Supply Comn., 24 School St., clearing about 30 acres, and excavating 20,000 cu.yd. for 1 mi. open channel, also excavation for reservoir, in Hopkinton, to Sanders Eng. Co., 102 Exchange St., Portland, Me., $360,720 and $29,450 respectively. Noted Sept. 15.

**Connecticut** — State Hy. Dept., Hartford, concrete retaining wall at Windsor Underpass, in Windsor, to Lathrop & Shea Co., 185 Church St., New Haven, $23,995; 40 ft. span concrete girder bridge over Raymond Brook, on Colchester-Hebron Rd., in Hebron, to L. Suzio Constr. Co., State and Brooks Sts., Meriden, $8,633; rein.-con. paving 771 lin.ft. approaches to Johnson's Bridge over New York, New Haven & Hartford R.R. tracks, in East Hampton, to F. D. Miller & Co., 43 Bway., Norwich, $8,897; 2,100 ft. 8 in. rein.-con. paving approaches to Castle Bridge and substructure, Litchfield and Harwinton, to J. DeMichael & Bros., 58 High St., Torrington, $73,777; also rigid frame bridge and approaches over Little River, on Scotland-Canterbury Rd., to T. F. McGovern, Southbridge, Mass., $13,665. Grand total $128,967. Noted Oct. 6.

**Louisiana**—Tensas Bason Levee Dist., H. A. Manghan, secy., 93,750 cu.yd. enlargement and levee work in Ouachita Parish, and 42,862 cu.yd. in Coldwell Parish, to Howard Kenyon Dredging Co., P.O. Box 5, Houston, Tex., at $0.235 per cu.yd. Noted Aug. 18.

**Louisiana** — Bd. State Engineers, New Court House Bldg., New Orleans, 62,000 cu.yd. levee work in Atchafalaya River, at Waverly, to R. R. Phillips, Torras, $19,344, and Belaire China Grove Levee, 97,000 cu.yd. excav., to Dameron & Kenyon, Port Allen, $20,388, both Pointe Coupee Parish; also 35,000 cu.yd. in Red River, at Beauregard, Avoyelles Parish, to Douglas, Buchanan & Crow, Shreveport, $5,950. Grand total $46,682.

**La., Vidalia**—Bd. State Engineers, Court House Bldg., New Orleans, enlarging Riverside Levee, Concordia Parish, here, to J. S. Staton, Vidalia, $38,360.

**Ind., Tipton**—Excavating 290,423 cu.yd. Askren ditch, to R. Kelley, Pontiac, Mich., $26,090.

**Ill., Edwardsville** — Chouteau Island Drainage & Levee Dist., c/o Hiles & Newell Edwardsville, repairing breaks, Chouteau Island levee and constructing new levee, to Higgins-Dyer & Co., Granite City, $15,012. Noted Aug. 25.

**Kan., Burlington**—City and Coffey Co., flood control project, incl. widening and straightening Brush Creek Channel, ditching, and constructing 2 bridges, to Pioneer Constr Co., 270 Glover Bldg., Kansas City, Mo., approximately $66,000.

**Calif., Byron**—Byron-Bethany Irrigation Dist., concrete lining approximately 258,840 sq.ft. canals, to J. N. Kristich, Knightsen, at $0.125 per sq.ft.

# Streets and Roads

## Proposed Work

**Mass., Boston**—City Council appropriated $25,000, macadam paving roads in Franklin Park. Private plans.

**Mass., Brighton** (Boston P. O.)—Dept. Pub. Wks., Boston, plans constructing Ransom Rd. as highway and extending Willow St., here. $25,000. J. H. Sullivan, comr.

**N. J., Oaklyn**—Boro Council making plans grading and paving Cedar, Spruce, Holly, Landis, Walnut and Park Aves. $40,000.

**N. J., Trenton**—Bd. Freeholders Mercer Co., making plans concrete paving 3,425 ft. road from Marshall's Corner to Hopewell. $57,000. H. F. Harris, Trenton, co. engr.

**Miss., Ashland**—Comrs. Benton Co. soon take bids grading, graveling, etc. 19 mi. road from Tippah Co. line west of Walnut toward Marshall Co. line, 18 ft. $130,000.

**Miss., Tylertown**—Soon takes bids grading, curbing and concrete paving, etc. various streets. $50,000. H. A. Mentz, Hammond, La., engr.

**Ohio**—G. F. Schlesinger, dir. Highways & Pub. Wks., Columbus, received no bids Oct. 7, grading, concrete or bituminous macadam paving, etc., 1.08 mi. Sect. "E" McConnelsville Rd., Morgan Co. Noted Sept. 29.

**O., Youngstown**—Bd. Control soon takes bids widening and paving, etc. Market St. from Delason to Warren Aves. $50,000-$60,000.

## Bids Desired

**Mass., Boston** — Nov. 1, by Dept. Pub. Wks., Boston, sheet asphalt or bitulithic paving Aldrich St., Ward 20, and various streets in Ward 11. $25,000. J. H. Sullivan, comr.

**N. Y., Brooklyn**—Nov. 1, by Park Bd., W. R. Herrick, pres. Park Dept., Arsenal Bldg., Central Park, New York City, improving Coney Island Ave. from Ocean Parkway to West 5th St., here.

**N. Y., New York**—Oct. 31, by J. Miller, pres. Manhattan Boro, Municipal Bldg., grading and granite block on concrete repaving Beach St. and Ericsson Pl.; grading and sheet asphalt paving 39th, 40th and Sickles Sts., also on Lenox Ave. except 10 in. strip parallel with railroad tracks, with granite block on concrete paving.

**New Jersey**—Nov. 7, by State Hy. Comn., Trenton, grading, bridging and 8 in. rein.-con. paving, etc. 55,826 sq.yd. Route 41 (Revision of 1927), Sect. 1, Firview to Runnemede, Gloucester and Camden Counties. A. L. Grover, ch. clk.; adv. E. N.-R. Oct. 27.

**S. C., Greenwood**—Nov. 2, at office Greenwood Co. Hy. Comn., Amer. Bank Bldg., grading, 4 creosoted timber bridges and topsoiling, etc. 16,000 cu.yd. Callison-Bradley Rd., J. B. Sloan, Greenwood, chn. highway Comn.

**Alabama**—Nov. 22, by State Hy. Dept., Montgomery, **(S. R. means State Route)**, grading, concrete, bituminous concrete or sheet asphalt, etc., paving 33,264 sq.yd. roadway between Andalusia and Brewton, roadway between Andalusia and Gantt, and 135,828 sq.yd. roadway from Perdido Station to Bay Minette, Baldwin Co., and 15,840 sq.yd. roadway between Brewton and Bay Minette, on S. R. 9; 99,742 sq.yd. roadway between Troy and Orion, Pike Co., 11,088 sq.yd. roadway between Decatur and Birmingham, in Cullman Twp., Cullman Co., 210,672 sq.yd. road from Louisville & Nashville R.R. overhead crossing near Prattville to Chilton Co. line near Mt. Creek, Autauga Co., 55,440 sq.yd. roadway from Dothan city limits toward Ozark, and 94,248 sq.yd. roadway between Ozark and Choctawhatchee River, Dale Co., all foregoing on S. R. 7; 66,584 sq.yd. roadway from Minette to Fairfax, S. R. 29; 22,176 sq.yd. Brewton-Evergreen Rd., S. R. 24; and 10,250 sq.yd. roadway in Tuskegee and ending where road forks to Columbus, Ga., and Union Springs, Ala., S. R. 26 and 11. W. Finnell, highway dir.

**Miss., Bay St. Louis**—Nov. 8, by Road Protection Comn., Hancock Co., concrete curbing, 8 in. concrete or 6 in. rein.con. paving 228,000 sq.yd. road along Bay St. Louis. J. W. Billingsley, Interstate Bldg., New Orleans, La., consult. engr.

**Miss., Jackson**—Nov. 10, by Bd. Supervs. Jackson Co., improving 16 mi. Raymond-Utica Rd., 109,304 cu.yd. excav. and borrow, 169,820 lin.ft. concrete curbing, 169,826 sq.yd. concrete base course, concrete paving or vibrolithic concrete base, 160,391 sq.yd. asphaltic base course, 168,567 lb. reinforcing, etc. W. B. Montgomery, Court House, engr.

**Miss., Winona** — Nov. 7, by Supervs. Montgomery Co., clearing, grading, bridging, etc., 190,778 cu.yd. Greenwood-West Point Rd. H. C. Dietzer, Jackson, state highway engr.

**Louisiana**—Nov. 17, State Hy. Comn., Baton Rouge, grading and graveling 4.95 mi. Bernice-Farmerville Highway, State Project 554-A, Union Parish; and 9.858 mi. Leesville-Alexandria Highway, Federal Aid Project 157-A, Vernon Parish. N. W. Bowden, Reymond Bldg., Baton Rouge, highway engr.

**Louisiana**—Nov. 17, by State Hy. Comn., Baton Rouge, graveling 14.3 mi. Greensburg-Baton Rouge Highway, St. Helena Parish. N. W. Bowden, state highway engr.

**La., Bastrop**—Nov. 22, by J. L. White, engr. Moorehouse Parish, grading and graveling 3 mi. Bastrop-Monroe Highway Project A, 1.75 mi. Bonner Ferry Rd. Project C, and 1.5 mi. Bastrop-Perryville Highway Project J.

**La., Monroe** — Nov. 2, by City Council, grading, curbing, guttering, sidewalks and sheet asphalt paving Gordon St. from Thomas to Monton Sts. W. I. Neel, Monroe, engr. Noted Sept. 29.

**Kentucky**—Nov. 22, by State Hy. Dept., Frankfort, grading, etc. 3.8 mi. Hartford-Calhoun Rd., State Project 66-A, and 2.7 mi. Beaver Dam-Rozine Rd., State Project 66-B, both Ohio Co.; and 26.1 mi. Morehead-Sandy Hook Rd., State Project 49-A, Elliott and Rowan Counties. E. N. Todd, highway engr.

**O., Troy**—Nov. 15, by Comrs. Miami Co., improving 6.7 mi. Troy-West Milton Rd., 16 ft., incl. 2 bridges $239,000. State appropriates $143,000 toward cost. H. Bagford, Troy, engr.

**Ind., Angola**—Nov. 7, by Comrs. Steuben Co., graveling 15,964 ft. Fred Imus et al Rd., Salem Twp., $16,438; and 5,350 ft. John Auspaugh et al Rd., Pleasant Twp., $8,760. F. O. Watkins, Angola, aud.

**Ind., Goshen**—Nov. 7, by Comrs. Elkhart Co., grading and concrete paving 8,193 ft. Twp. Unit R-4 Rd., $40,965; and 4,763 ft. Twp. Unit K-1 Rd., $23,815, both in Concord Twp. C. A. Croop, Goshen, aud.

**Ind., Greenfield** — Oct. 31, by Comrs. Hancock Co., Kentucky rock asphalt paving 5,224 ft. John J. Early et al., Rd., Center Twp. $42,000. G. O. Dunn, Greenfield, aud.

**Michigan** — Nov. 10, by H. C. Fleming, resident engr., Grand Rapids, grading 3.337 mi. Federal Aid Road FO54-7, Contr. 2, Mecosta Co., for State Hy. Dept., Lansing. Noted Oct. 20.

**Minnesota**—Nov. 1 (extended date), by State Hy. Comn., St. Paul, **(F.A.P. means Federal Aid Project and S.P. State Project)** grading 179,000 cu.yd. S.P. 4-41, and 222,500 cu.yd. S.P. 4-42, F.A.P. 406, 300,000 cu.yd. S.P. 7-42, F.A.P. 408, and 741,000 cu.yd. S.P. 20-34, F.A.P. 411; grading 220,000 cu.yd. and constructing Bridges 4757 and 4758, on S.P. 7-40, Sect. 2, F.A.P. 365; graveling 25,950 cu.yd. S.P. 2-34; concrete paving 115,000 sq.yd. S.P. 5-31, Sect. 1, F.A.P. 91,200 sq.yd. S.P. 5-31, Sect. 2, and 27,200 sq.yd. S.P. 5-31, Sect. 3, F.A.P. 380, 29,000 sq.yd. S.P. 5-36, Divs. B and C, F.A.P. 345, 45,000 sq.yd. S.P. 51-21, F.A.P. 288, and 81,200 sq.yd. S.P. 52-21, F.A.P. 381. State Hy. Dept, St. Paul, engrs. Noted Oct. 6.

**Kan., Topeka**—Nov. 14, by Clerk Shawnee Co., grading, culverts and concrete surfacing 10,609 sq.yd. Wakarusa Spur. W. H. Wasson, Topeka, co. engr.

**Ark., Pine Bluff**—Nov. 3, by City Comn., grading, curbing, guttering and concrete paving 14,880 sq.yd. Impvt. Dist. 96. G. B. Smith, 410 Natl. Bank Bldg., engr. Noted Aug. 25.

**Tex., Kerrville** — Nov. 14, by R. A. Thompson, state highway engr., Austin, grading and bridging 11.251 mi. State Highway 41, Federal Aid Project 520-A, Unit 1, 26 ft. Kerr Co. $90,000. B. K. Mason, Kerrville, resident engr.

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Streets and Roads (Continued)

**Tex., Ralls**—Nov. 8, by J. M. De Bolt, mayor, grading, sewers, curbing, concrete, brick, Uvalde rock, asphalt, Warrenite-bitulithic or vitrolithic paving approximately 26,646 sq.yd. various streets, $95,000. Montgomery & Ward, Wichita Falls, consult. engrs.

**Tex., Ranger**—Nov. 3, by Bd. City Comn., c/o M. E. Ware, secy., curbing, guttering, and paving, etc., approximately 60,000 sq.yd. various streest. H. R. Seward, city engr. Noted Sept. 22.

**Tex., San Angelo** — Nov. 14, by R. A. Thompson, state highway engr., Austin, grading and concrete paving, etc., 15.67 mi. State Highway 9, Federal Aid Project 338, from point 8.5 mi. northeast of here to Concho Co. line, 18 ft. $300,000. T. J. Kelly, San Angelo, co. engr.

**Oklahoma**—Nov. 8, by State Hy. Dept., Oklahoma City, grading, etc., 7 mi. Highway 8, $30,000, and 7 mi. Highway 11, $30,000, both Alfalfa Co., 10 mi. Highway 3, $50,000, 8.6 mi. U. S. Highway 66, $40,000, and 4.76 mi. State Road 42, $25,000, all Beckham Co., 12 mi. Highway 3, Canadian Co. $75,000, 7 mi. Highway 70, Carter Co. $40,000, 7 mi. Highway 19, Cole Co. $35,000, 15 mi. Highway 11, Kay Co. $60,000, 10 mi. Highway 9, Kiowa Co. $45,000, 11 mi. Highway 3, Pittsburg Co. $50,000, 5 mi. Highway 18, Pottawatomie Co. $35,000, 7 mi. Highway 64, Sequaha Co. $30,000, and 9 mi. Highway 41, Washita Co. $50,000; rock asphalt surfacing 32,000 sq.yd. Highway 3, Pittsburg Co., $85,000; concrete slab surfacing 18,200 sq.yd. State Highway 3, Canadian Co. $40,000, 73,560 sq.yd. State Highway 7, Creek Co. $210,000, 21,120 sq.yd. Highway 3, Pottawatomie Co. $60,000, and 42,240 sq.yd. same road $125,000. C. R. Mandigo, Capitol, Oklahoma City, engr.

**Okla., Oklahoma City** — Nov. 9, by M. Peshek, city clk., grading, curbing and 7 in. concrete paving 9,800 sq.yd. Euclid, Foushil and Bath Sts. $32,400. B. M. Hart, City Hall, engr.

**Okla., Tecumseh**—Nov. 1, by A. W. Goar, chn. Comrs. Pottawatomie Co., graveling, etc., 36,000 cu.yd. Trousdale, Wey and Tribley Rds. $95,000. F. D. Brown, Shawnee, engr.

**Okla., Wewoka**—Oct. 31, by E. J. McBride, city clk., grading, curbing and 6 in. concrete paving 23,200 sq.yd. streets in Dist. 12. $92,000. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs. Noted Sept. 1.

**California**—Nov. 7, by State Hy. Dept., Sacramento, widening with rock borders 24 mi. roadway between Orcutt and Zaca, Santa Barbara Co., and 8.7 mi. roadway between Los Banos and east boundary, Merced Co.; also grading and crushed gravel or stone surfacing, etc. 1.8 mi. roadway between point 1 mi. south and 1 mi. north of Arno, Sacramento Co. R. M. Morton, Strub Bldg., Sacramento, engr.

**California**—Nov. 14, by State Hy. Dept., Sacramento, grading and crushed stone surfacing, etc. 5.2 mi. roadway between South San Francisco and Bway. Station, San Mateo Co. R. M. Morton, Strub Bldg., Sacramento, engr.

**Calif., Salinas** — M. R. Keef, city clk., taking bids grading and 5 in. concrete paving, etc. 71,621 sq.ft. Park St. H. Cozzens, city engr.

## *Contracts Awarded*

**Maine** — State Hy. Comn., Augusta, graveling, etc. 3 mi. highway in East Millinocket, and 2.48 mi. in Connor, to McCabe & Giovannine, 20 Central St., Boston, Mass., $42,208 and $33,623 respectively; 1 mi. in Madawaska, to P. A. Cyr & T. Soucy, Grande Isle, $30,267; 4.61 mi. in Embden-Solon, to I. J. Murphy, 12 Westford Rd., Somerville, $50,703; and 1.67 mi. in Island Falls, to Litchfield & Douglas, Brunswick, $23,090. Grand total $179,891. Noted Oct. 13.

**Massachusetts**—Dept. Pub. Wks., Boston, bituminous macadam paving 21,935 ft. highway in Northampton and Williamsburg, 18 ft., to Kelliher Corp., Turners Falls, $158,382. Noted Oct. 27.

**Mass., Dorchester** (sta. Boston)—Dept. Pub. Wks., Boston, recut granite block paving Freeport St., Wards 15 and 16, here, to S. J. Tomasello, 11 Cushing Terrace, $26,846. Noted Oct. 13.

**Mass., Medford** — Bituminous macadam repaving Highland Ave., to F. J. McCarthy, 3 Endicott St., Boston, $40,123.

**Connecticut** — See "Excavation, Drainage, Irrigation, Levees, River and Harbor."

**N. Y., Brooklyn** — J. J. Byrne, pres. Brooklyn Boro, Boro Hall, grading West 1st St., to G. N. Mandato, 201 Neck Rd. $3,285, and 64th St., to F. Persicano, 350 Fulton St., $3,195; grading and sheet asphalt repaving DeKalb Ave., to Cranford Co., 52 9th St. $35,033, Dumont Ave., to Highway Impvt. Co., Furmans Island $39,852, Hancock St., to Cleveland Trinidad Paving Co., Flushing $32,396, and Hewes St., to Sicilian Asphalt Co., 41 Park Row, New York City $13,483. Grand total $127,244. Noted Oct. 6.

**N. Y., Long Island City**—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., asphalt block paving portion Northern Blvd., J. J. O'Brien Jr., William St., Jamaica, $38,395; sidewalks on Northern Blvd., to C. Kurth, 5915 126th St., Richmond Hill $2,530, 114th St., to Laurel Hill Constr. Co. $3,400, and on Celtic Ave., to Slattery Constr. Co., 10 East 43rd St., New York City $1,497. Grand total $45,822. Noted Sept. 29.

**N. Y., New York**—J. Miller, pres. Manhattan Boro, Municipal Bldg., widening and granite block repaving portions Avenue C and 94th Sts., to J. Meehan & Son, 90 West St., $51,108 and $18,070 respectively. Noted Sept. 29.

**N. Y., New York** — H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., grading and sheet asphalt paving Croes Ave., to F. Mascali, 2550 Colden Ave. $15,595, Van Nest Ave., to Gaffney Constr. Co., Hermaney and Story Aves. $24,975; asphalt block on concrete paving East 159th and East 141st Sts., to Regan Towers Co., 124 West 121st St., $11,214 and $30,680 respectively, and Sheridan Ave., to Burnside Contg. Co., 1339 Oak Pl. $33,154. Grand total $115,618. Noted Oct. 6.

**N. Y., St. George**—J. A. Lynch, pres. Richmond Boro, Boro Hall, to Vanbro Constr. Co., 24 Elizabeth St., West New Brighton, concrete sidewalk on Prospect Pl. $7,472, and Bard Ave. $4,755, also grading and bituminous macadam paving Burnside Ave. $8,861. Grand total $21,088. Noted Oct. 6.

**N. Y., Syracuse**—Bd. Contr. & Supply. City Hall, paving Lafayette Ave. from Saline to Midland Sts., to Rago Bros., Union Bldg., $25,423.

**New Jersey**—State Hy. Comn., Trenton, grading and 9 in. double line rein.-con. paving, etc., 55,290 sq.yd. Shore Relief Route, Revision of Route 4, Monmouth Co., to E. H. Ellis, Wilson Bldg., Camden, $284,208. Noted Oct. 6.

**N. J., Irvington** (br. Newark)—Bd. Town Comrs., Town Hall, grading, curbing and 6 in. rein.-con. paving Claremont Ave., to J. Dorer, 644 Nye Ave., Washington Ave. and Willis Pl., to A. J. Milmoe, 92 South 6th St., Newark, Lafayette Pl. and Norwood Ave., to Loprete Asphalt Co., 423 Amherst St., East Orange.

**Pennsylvania**—State Hy. Comn., Harrisburg **(R. means Route and A. Application)**, rein.-con. paving, etc. 8,300 sq.yd. A. 4709, Erie Co., to C. H. Fry Constr. Co., 1902 Cherry St., Erie, $35,053; 5,901 sq.yd. R. 153, Bucks Co., to H. E. Kersteen, Kingston, $27,253; 52,200 sq.yd. As. 4561-2508 and 2509, Westmoreland Co., to J. C. Mickey, Latrobe, $249,800; 10,435 sq.yd. R. 50, Somerset Co., to James & Nicholson, Johnstown, $45,067; 21,659 sq.yd. A. 4682, Delaware Co., and 9,100 sq.yd. A. 4947-48, Bucks Co., to W. Eisenberg, Camden, N. J., $72,685 and $38,766 respectively. Grand total $468,624. Noted Sept. 8.

**Pennsylvania**—State Hy. Comn., Harrisburg **(R. means Route and A. Application)**, concrete paving, etc., 13,700 sq.yd. A. 274, 273 and 5012, Armstrong and Indiana Counties, to Minus Bros., DuBois, $53,391, 52,100 sq.yd. R. 61, Jefferson Co., to D. W. Challis & Sons, 420 Centennial Ave., Sewickley, $193,350, 12,200 sq.yd. A. 4270 and 1215, Fayette Co., to Blue Ridge Constr. Co., Uniontown, $85,640, 2,600 sq.yd. R. 205, Venango Co., to Milliron Constr. Co., DuBois, $31,689, 36,600 sq.yd. R. 387, Butler Co., to State Constr. Co., New Kensington, $164,459, 21,800 sq.yd. A. 347 and 346, Westmoreland Co., to Yost Constr. Co., Pittsburgh, $86,291, 23,400 sq.yd. R. 140, Lebanon Co., to D. L. Risser, Lebanon, $92,971, 36,900 sq.yd. R. 420, Delaware Co., to W. Eisenberg, Camden, N. J., $135,753, 59,900 sq.yd. R. 67, Indiana Co., to M. Bennett & Sons, Indiana, $256,857, 8,900 sq.yd. R. 175, Northampton Co., to Lincoln Constr. Co., Strafford, $40,981, and 13,930 sq.yd. R. 222, Sects. 2 and 3, Bedford Co., to Brady & Shaulis, Mechanicsburg, $63,045; bituminous treated waterbound macadam paving, etc., 30,800 sq.yd. A, 4041, Warren Co., to Jamieson & Knapp, Fredonia, $113,317; and penetration asphaltic macadam paving, etc., 30,462 sq.yd. A. 4544, Butler Co., to Jones Constr. Co., Beallsville, $109,663. Grand total $1,427,407. Noted Sept. 29.

**Pa., Phila.**—Dept. Pub. Wks., Bureau of Highways, Union Paving Co., 123 South 21st St., asphalt paving (assessment work) Alma St. $4,889, Miller St. $4,694, Vandike St. $4,920, and Belmont Park (track area) $43,885, to Barber Asphalt Co. 239 North 30th St., Frontenac St. $3,272, L St. $22,412, 66th Ave. $8,438, and asphalt repaving Moore St. $20,967, to Mack Paving & Constr. Co., Nicetown Lane and Luzerne St., Loretta St. $16,927; to Eastern Asphalt Co., Penna. Bldg., asphalt paving, here, (assessment work) Tulip St. between Sanger and Foust Sts. $6,088, and Tulip St. between Kennedy and Sanger Sts. $10,154, and to Municipal Constr. Co., Washington Sq. Bldg., Rhawn St. $25,766; to C. G. Centrone, 522 North 65th St., redressed granite block repaving Melon St. $5,345; and to J. Salvucci, 512 North 65th St., 4th St. $15,702; to M. Y. Neely, Inc., Busleton St., improving Saville Rd. $4,076; to Atlantic Refining Co., 260 Broad St., bituminous paving materials, $1,610; and to Delaware River Quarry & Constr. Co., 21 Bridge St., Lambertville, N. J., crushed stone, $7,195. Grand total $212,340.

**Pa. Pittsburgh**—City Council, general contract grading, curbing and paving Mt. Washington Rd., Contr. 62, to Dunn & Ryan Constr. Co., Swineburne Ave. Engrs. est. $25,000. Noted Oct. 6.

**Pa., Pittsburgh**—Grading, curbing and paving Idlewild and Rose Sts., Larimer and Crotzeo Aves., to Booth & Flinn Ltd., Forbes St., $29,461. Engrs. est. $35,000.

**Pa., Wilkinsburg**—Grading, curbing and paving Hill Ave. between Everett and Weinman Sts., also Mill St., to Davis Constr. Co., Wilkinsburg. Engrs. est. $25,000.

**Delaware**—State Hy. Dept., Dover, grading and concrete paving, etc. 11,000 sq.yd. road from Pleasant Valley School to Lincoln Highway, Contr. 95, to Sutton Contg. Co., Phila., Pa., $52,225; and 22,800 sq.yd. road from Warren School to Sandtown, Contr. 94, to Field, Barker & Underwood, Commercial Trust Bldg., Phila., Pa., $67,335. Noted Sept. 8.

**W. Va., Huntington**—Cabell Co., grading, etc., Projects 23, 27 and 28, Barboursville Dist., to S. C. Isaacs & Co., Hamlin, $28,086; and Project 24, to R. R. Cook, Huntington, $35,062. Noted Aug. 25.

**Miss., Carthage**—Leake Co., grading and graveling 4 mi. Carthage-Forest Rd., Federal Aid Project 103, to T. E. Martin & Co., Laurel, $7,548; 12,271 tons gravel for same, to Capitol Gravel Co., Hazelhurst, $15,646. Noted Aug. 25.

**Miss., Oxford**—Bd. Supervs. Lafayette Co., improving 8.479 mi. Federal Aid Project 97-B, 66,685 cu.yd. excav., 35,489 cu.yd borrow, 111,583 lb. reinforcing, 2,730 ft. concrete guttering, 800 ft. guard rail, 72,914 ft. creosoted and 2,520 ft. untreated timber, etc. to S. M. Boyd, Columbia, $86,648.

**Miss., Oxford**—Lafayette Co., plain concrete paving 1,032 sq.yd. and sheet asphalt with binder course on 7- 5- 7-in. concrete paving 9,837 sq.yd. Federal Aid Projects 66-A and 97-A, to R. G. Lassiter & Co., Citizens Bank Bldg., Raleigh, N. C., $25,870. Noted Sept. 8.

**Louisiana** — State Hy. Comn., Baton Rouge, graveling 20,050 cu.yd. Federal Aid Project 180B, Franklin Co., to Monroe Sand & Gravel Co., Monroe, at $2.25 per cu.yd.

**Louisiana** — State Hy. Comn., Baton Rouge, grading and graveling 14.75 mi. Bossier City-Arkansas Rd., Bossier Parish, to J. C. Wimberly, Church Point, $94,494; 0.89 mi. Vinton-Orange Highway, Calcasieu Parish, to W. T. Burton, Sulpher, $13,444; 25.938 mi. Sulphur-Cameron Highway, Cameron Parish, to C. R. Cummins Co., Penton Bldg., Cleveland, O., $106,790; and 14.074 mi. Alexandrie Beesville Highway, Rapides Parish, to Duncan Bros. & Herndon, Alexandrie, $110,695. Grand total $325,423. Noted Sept. 15, 22, 29 and Oct. 6.

**La., Ville Platte** — Grading and graveling 12.84 mi. road between St. Landry and Concordia, Evangeline Parish, to Wimberly & Barbour, Church Point, $32,812.

**La., West Monroe**—To Gulf Coast Constr. Co., Opelousas, grading and natural limestone rock on 6 in. concrete paving, etc. Lazarre Ave., $6,401, South 1st St. $7,540, Mitchell Ave. $10,736, and South 3rd St. $24,241; also to Hamiter & Hyman, Shreveport, Coleman Ave., $24,643, and Mill St. $28,099. Grand total $101,660.

**Ky., Murray**—Calloway Co., graveling 2 mi. Pine Bluff Rd., to J. W. Hodges at $0.59 per sq.yd., 2 mi. same road, to C. M. Cahoon $0.495, 2 mi. same road, to J. D. Roberts $0.45, 3 mi. same road, to S. A. Douglass & T. M. Brandon $0.73 and $0.50, 4 mi. Coldwater Rd. to Graham, Wilson & Nanny $0.525, 4 mi. same road, to F. D. Radford $0.49, and 4 mi. same road, to B. Crawford $0.50, all in Murray.

**Ohio**—G. F. Schlesinger, dir. Highways & Pub. Wks., Columbus, bituminous macadam paving, etc., 6.781 mi. Sect. "A" Highridge-Bellaire Rd., Belmont Co., to T.

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Streets and Roads (Continued)

D. Van Camp, 48 Parkwood Ave., Columbus, $254,948, 2.909 mi. Sect. "D" Bucyrus Tiffin Rd., Crawford Co., to H. Candel, Bucyrus, $60,100, and 0.984 mi. Sect. "D" Reynoldsburg-Baltimore Rd., Franklin Co., to S. T. Knight, 47 Miami Ave., Columbus, $25,375; concrete paving, etc., 0.472 mi. Sect. "Warsaw" Mt. Vernon-Coshocton Rd., and 1.456 mi. Sect. "A-1" Coshocton-Millersburg Rd., both Coshocton Co., to Adams Bros. Constr. Co., Zanesville, $24,019 and $53,275 respectively, 3.91 mi. Sect. "D" Jackson-Gallipolis Rd., Jackson Co., and grading, etc., Sect. "K," etc., Pomeroy-Jackson Rd., Meigs Co., to Ebersbach Constr. Co., Pomeroy, $131,238 and $98,089 respectively; concrete paving 1.504 mi. Sects. "Mingo Junction South" and "Q" Ohio River Rd., Jefferson Co., to Consolidated Eng. Co., Natl. Bank of West Va., Wheeling, W. Va., $74,925, 3.181 mi. Sect. "I" Bono-Port Clinton Rd., Ottawa Co., and to Pettibone & Graves, Lakeside, $100,600; also grading, etc., 5.071 mi. Sect. "A-1" Barnesville-Powhatan Rd., Belmont Co., to G. W. Robbins, Delaware, $48,048, and 3.362 mi. Sect. "D" Dennison-Natl. Rd., Harrison Co., to Williams & Stone, 1686 Mock Rd., $55,812; also Hillside brick paving, etc., 0.25 mi. Sect. "A-1" Urbana-Sidney Rd., Shelby Co., to J. Frantz, Sidney, $12,435. Grand total $938,864.

**O., Cleveland**—Grading, curbing and concrete paving 51,124 sq.yd. North Miles Rd., to Highway Constr. Co., Guarantee Title Bldg., $205,755; also grading and concrete paving 3,150 sq.yd. Orange Ave., to Rieley Bros., The Arcade, $31,257.

**O., Cleveland** — Cuyahoga Co., grading 198,000 cu.yd. Gates Mill Blvd., to Stroman & Kidder, Ridge Rd., $85,322.

**O., Cleveland** — Cuyahoga Co., grading 200,000 cu.yd. Shaker Blvd., to Herkner Motor Trucking Co., 1730 Oregon Ave., $91,564. Engrs. est. $114,300.

**Mich., Detroit**—One course 6 in. concrete paving approximately 5,000 sq.yd. in 7 alleys, to Bishop & Weir, 955 East Jefferson Ave., $12,430; approximately 4,000 sq.yd. 3 alleys, to Otis Cement Constr. Co., 409 Hammond Bldg., $10,080; and approximately 650 sq.yd. 1 alley, to W. G. Tatti, 1337 Three Mile Dr., $1,535. Grand total $24,045.

**Ill., Chicago**—Bd. Local Impvts., Room 207, City Hall, 6 to 13 ft. concrete sidewalks on portions West 17th Pl., West Pershing Rd., West 19th, 73rd, 74th, 75th and 102nd, East 54th, 81st, 82nd, 83rd, 84th and South Sangamon Sts., Vincennes, Yale, Princeton, Harvard, Stewart, Eggleston, Stony Island, Harper, Blackstone, Dante, Chester, Lowe and University Aves., to Superior Concrete Constr. Co., 1109 East 52nd St.; on portions East 44th, West 71st and West 72nd Places, East 41st, West 71st, 72nd, 63rd, South Dearborn, South Robey, South Seeley, South Hoyne, Root, West Division and North Herald Sts., Cullen, Montrose, Berteau, North Menard, North Mansfield, Canalport, Harper, South Halsted, Rosemont and Yale Aves., to Banner Constr. Co.; portion Newport Ave., to Siewert-Callsen Co., 3865 Milwaukee Ave.; portion New Hampshire Ave., to O. E. Brooks & Son, 6238 Northwest Highway; portions West 44th and West 57th Places, Roscoe, Henderson, School, Melrose, South Dearborn, West 47th, South Green, Root, South Sangamon, and North Troy Sts., Belmont, North Linder, North Central, Kimball, Magnolia and Wellington Aves., to Simpson Constr. Co., 1113 South Hermitage Ave.; portions Bway., Giddings, Slocum, Aster, Bissell, Center, Fremont, Grace and Roscoe Sts., Leland, North Marmora, Aldine, Claybourne, Cleveland, Elston and Garfield Aves., to J. J. Croake & Son, 2927 Fullertin Ave.; portions Quincy, West Van Buren, North Washtenaw, Burling, Blackhawk, Crosby, West Elm, West 46th, High, South Leavitt, Milwaukee, Osgood, Sedgwick and Wisconsin Sts., Peterson, Elston, South Kildare, South Kedzie, South Union, Cornelia, North Mansfield, Magnolia, Webster and Wilton Aves., to G. Kehl Sons, 1225 North Maplewood Ave.; portions Berlin St., North Albany, Christiana, Crawford, Edgewater, Glenlake, Lakewood, North Shore and Ridge Aves., to C. Schroeder, Jr., 3440 Jensen Ave.; portions West 111th and 108th Sts., Baltimore Ave., to H. Johnson & Co.; portions Otto, North Robey and School Sts., North Hermitage, Kenmore Layola, Glenwood and Sheffield Aves., to C. Burkett & Co. Noted Sept. 22.

**Wisconsin**—State Hy. Comn., Div. Office 8, 1st Natl. Bank Bldg., Superior, concrete paving, etc. 70,716 sq.yd. Federal Aid Project 440-A, Wood Co., to Vogt-Mengel Co., Wisconsin Rapids $155,168, and 89,259 sq.yd. Federal Aid Project 449-C, Marathon Co., to R. R. Birdsall & Sons Co., Racine $255,041; also graveling, etc. 2,205 cu.yd. Federal Aid Project 405-D, Ashland Co., to V. Nelson, Superior $35,722. Grand total $445,931.

**Ia., Cedar Rapids**—Linn Co., to Moore & Eldridge, Clemons, improving roads, 8,950 cu.yd. gravel at $1.20 per cu.yd., 9,100 cu.yd. $1.48, and 600 cu.yd. $1.75.

**Ia., Earlham**—Grading, curbing, 6 in. concrete paving, etc. 8,700 sq.yd. various streets, to Bemis & Schlick, 1345 East 6th St., Des Moines.

**Ia., Iowa City**—Grading, curbing, guttering and rein.-con. paving 24,400 sq.yd. various streets, to William Harrabin Constr. Co., Iowa City, $74,375.

**Ia., Manilla** — For 6 in. (Johnsonite method) rein.-con. paving, etc. 18,000 yd. various streets, to Booth & Olson, 318 Exch. Bldg., Sioux City, $47,914.

**Kan., Great Bend**—Barton Co., sand clay surfacing and constructing seven 4 x 3 ft. multiple box span bridge on 13.555 mi. US 50 N, Project 383-A, to O. Anderson, Garden City, $64,769 and $1,867 respectively. Noted Sept. 29.

**Kan., Pratt**—Pratt Co., grading 8.938 mi. and constructing 2 bridges on Project 91, Sect. B, to Somers Constr. Co., Newton, $46,546 and $6,614 respectively. Engrs. est. $48,147 and $7,148 respectively.

**Kan., Wellington**—Sumner Co., grading and sand clay surfacing 25,443 cu.yd. Project 66-A, Federal Aid Project 386-A, also 6 bridges on US. Rd. 166, to E. L. Cavenah, Marion, $141,612.

**Neb., Hastings** — To Mid-State Constr. Co., Hastings, improving streets in Dsits. 137, 139, 140, 141 and 142, 15,909 sq.yd. concrete at $1.84 per sq.yd., 6,266 ft. curbing $0.80, 118 ft. headers $0.50, and 3,300 cu.yd. excav. $0.45.

**Montana** — State Hy. Comn., Helena **(F.A.P. means Federal Aid Project)**, graveling, etc. 7,023 cu.yd. F.A.P. 58 A and B, Unit 2, Flathead Co., to W. V. Wellman, Helena $22,173, and 8,804 cu.yd. F.A.P. 231-A and B, 206 and 237-A, Missoula Co., to B. Helean, 606 West Pine St., Missoula $28,762; constructing 152 ft. and 57 ft. pile trestle bridges on F.A.P. 157-B, Unit 2, Garfield Co., to McLaughlin & O'Neil, Livingston $7,397. Grand total $60,332.

**Missouri**—State Hy. Comn., Jefferson City, to M. E. Gillioz, Monett, 24 ft. grading 1.245 mi. Cherryville-Sligo Rd., Crawford Co. $25,382; to Gaines Bros. Co., Fairland, Okla., 30 ft. grading 4.347 mi. Route 52, Sect. 41 $16,419, 3.585 mi. Sect. 42, same road $12,185, and 2.406 mi. Sect. 43 same road $12,756 all Morgan Co.; to J. A. Kern Co., Ozark, 18 ft. graveling, etc. 4.84 mi. Hannibal-St.Joseph Rd., Linn Co., $10,-507; to T. F. Marbut, Liberty, grading, 9 and 18 ft. concrete paving etc. 2.055 mi. Gallatin-Jamesport Rd., Davies Co., $45,-294; to Koss Constr. Co., Des Moines, Ia., grading and 18 ft. concrete paving etc. 2.767 mi. Route 66, Sect. 150-C $40,946, 2.939 mi. Sect. 150-D $58,212, and 3.866 mi. Sect. 150-E, same road $57,603, all Greene Co.; also to W. P. McGeorge Co., Cape Girardeau, 1.117 mi. Route 61, Sect. 68, St. Louis Co. $38,370. Grand total $278,224.

**Mo., Neosho**—City Clerk, 7 in. concrete paving 13,000 sq.yd. various streets, to Taylor & Allison, Chanute, Kan., $35,925. Noted Sept. 29.

**Arkansas**—State Hy. Dept., Little Rock, to Lahar Bros., Springfield, Mo., grading 1 mi. Highway 39, Sect. 2 $6,047 and 6.5 mi. Highway 90, Sect. 1 $44,670, both Clay Co., also 5.3 mi. Highway 39, Sect. 1, Hot Springs Co. $43,520, to S. C. Taylor, Birmingham, Ala., 0.3 mi. Highway 67, Sect. 22 $4,896, to R. J. Lynch, 320 West Markham St., Little Rock, 5 mi. Highway 35, Sect. 5, Cleveland Co. $27,826, to James Spencer & Son Constr. Co., Mulvane, Kan., 2 mi. Highway 70, Sect. 8 $123,327, to M. E. Gillioz, Monett, Mo., 12.5 mi. Highway 6, Sect. 6 $128,402 to P. O. Gwin, Sheridan, 17 mi. Highway 9, Sect. 4, Hot Springs Co. $64,294, to Cook & Ransom, Ottawa, Kan. 12 mi. Highway 22, Sects. 3 and 4, Logan Co. $72,734, to Griffin & Havel, Gurdon, 8 mi. Highway 24, Sect. 5 Nevada Co. $24,-181, to Winstead & Co., Siloam Springs, 8 mi. Highway 22, Sect. 1 Sebastain Co. $49,-587, and to Philpot Constr. Co., 116 Chestnut St., Pine Bluff, 3.7 mi. Highway 115, Sect. 1, Union Co. $100,205, to W. L. Davis, Kansas City, Mo., graveling 4.5 mi. Highway 64, Sect. 8 $12,843, to J. P. McNulty, Pine Bluff, 6.3 mi. Highway 31, Sect. 1 $13,-441, and to P. W. Fletcher, Hannibal, Mo., 6.4 mi. Highway 19, Sect. 3, Nevada Co. $27,088, to P. F. Connelly, Paving Co., Home Insurance Bldg., Little Rock, bituminous surfacing 5.5 mi. Highway 70, Sects. 14 and 15, Lonoke Co., $21,719, to C. H. Atkinson Paving Co., Chillicoth, Mo., 154 ft. timber bridge on Highway 4, Sect. 15, Drew Co. $4,736, and 273 ft. timber bridge on Highway 2, Sect. 7, Union Co. $8,404, to F. L. Scull, Conway, 132 ft. steel and concrete bridge, Highway 25, Sect. 4, Independence Co. $13,168, to Lakeside Bridge & Steel Co., North Milwaukee, Wis., 2,045 ft. steel and concrete bridge, Federal Aid Project 244-A, Pope and Yell Counties $534,137, and to Pioneer Constr. Co., 270 Glover Bldg., Kansas City, Mo., 225 ft. steel and concrete bridge, Highway 63, Sect. 2, Sharp Co. $21,728. Grand total $1,346,953.

**Ark., Helena**—Curbing, guttering and 2 in Colrock on 5 in. concrete base, paving 15,264 sq.yd. Street Impvt. Dist. 18, to Hogan Constr. Co., Paving Exch. Bldg., Memphis, Tenn. Engrs. est. $65,000.

**Tex., Houston**—Paving Navigation Blvd. and Wayside Dr., to San Jacinto Constr. Co., 1st Natl. Bank Bldg., $244,965; also curbing, guttering and paving Ave. N, to A. M. Arnold & Co., 112 Buffalo St., $34,393.

**Tex., Houston**—Harris Co., brick paving approximately 27,000 sq.yd. Clinton Dr. from Kress St. to point 125 ft. east of Harris St., to Gulf Bitulithic Co., 2820 Polk Ave., $100,333.

**Okla., Altus**—Grading, curbing and sheet asphalt paving 4,700 sq.yd. East Line Oak St., to Highway Constr. Co., Kennedy Bldg., Tulsa, $27,114. Engrs. est. $27,600.

**Washington**—State Hy. Comn., Olympia, grading 152,000 cu.yd. State Rd. 5 from American River Hotel to Hells Crossing, Yakima Co., to Myers & Goulter, Easton, $138,988; and 176,000 cu.yd. same road from Park entrance near Chinook Pass to Crystal Creek section, to F. Fox, 2524 MacDougal St., Everett, $147,127. Noted Sept. 22.

**California**—State Hy. Dept., Sacramento, grading, etc. 2.3 mi. roadway between Myers Creek to west of Coyote Wells, Imperial Co., to Ward & Gabler, 240 South Catalina St., Los Angeles, $48,870; also grading and concrete paving, etc. 1.9 mi. roadway between Salinas and Santa Rita, Monterey Co., to C. W. Wimmer, Santa Barbara, $55,496. Noted Oct. 20.

**Calif., Compton** — M. Hecock, city clk., grading and 5 in. concrete paving, etc. 118,-000 sq.ft. streets in Tract 9910, to P. P. Janich, Pacific Southwest Trust & Savings Bldg., Long Beach, $39,455. Noted Sept. 29.

**Calif., Fullerton**—Curbing and 5 in. asphaltic concrete paving, etc., East Commonwealth Ave., etc., to S. Finley, 204 East 4th St., Santa Ana, $65,602.

**Calif., Los Angeles**—For 8 in. concrete paving, etc. 771,056 sq.ft. Angeles Mesa Dr., etc., to G. H. Oswald, 366 East 58th St., $280,952.

**Calif., Los Angeles**—Grading and paving, etc., portion Sherman Way, 40,799 tons asphaltic concrete, also 6 in. concrete paving 272,505 sq.ft. and 7 in. concrete paving, etc. 62,242 sq.ft. portion Woodrow Wilson Dr., to Curtis Paving Co., 2440 East 26th St., $208,165 and $241,595 respectively.

**Calif., Los Angeles**—Los Angeles Co., grading, curbing, guttering, walks and disintegrated rock with oil paving, etc. 279,857 sq.ft. Atlantic Ave., A and I-112, to C. Raasch, 303 North Commercial St., Inglewood, $56,195; also grading and 7- to 9-in. concrete paving, etc. 413,635 sq.ft. Main St., Impvt. 321, to G. H. Oswald, 366 East 58th St., $120,976.

**Calif., Los Angeles** — Los Angeles Co., grading and paving, etc. Colorado St., to J. E. Haddock, 357 North Chester Ave., Pasadena, $31,305; also Riverside-Redondo Blvd. between Compton City limits and Arlington St., to Curtis Paving Co., 2440 East 26th St., $224,395. Noted Oct. 20.

# Buildings—Commercial

## *Proposed Work*

**Vt., Montpelier** — HOTEL — Owner, c/o F. C. Teich, archt., 212 Rathael Bldg., New Britain, Conn., having plans prepared brick and steel hotel, here. $400,000.

**Mass., Boston**—CLUBHOUSE—Trustees Durant, Inc., 336 Huntington Ave., plans 14 story, brick and steel, Huntington Ave. $2,000,000.

**Mass., Cambridge** (br. Boston) — REGISTRY of DEEDS—Comrs. Middlesex Co., A. Cutting, chn., Court House, East Cambridge, having sketches made by C. R. Greco, 11 Beacon St., Boston, 3 story and basement, brick and stone, plain foundation. $240,000.

**Mass., Cambridge** (br. Boston)—STORE and OFFICE—Estate of J. H. Corcoran, 587 Massachusetts Ave., having plans prepared by Blackwell, Clapp & Whittemore, 51 West St., Boston, altering and constructing 2 story and basement, brick and stone addition plain foundation, Massachusetts Ave. and Central Sq. $150,000.

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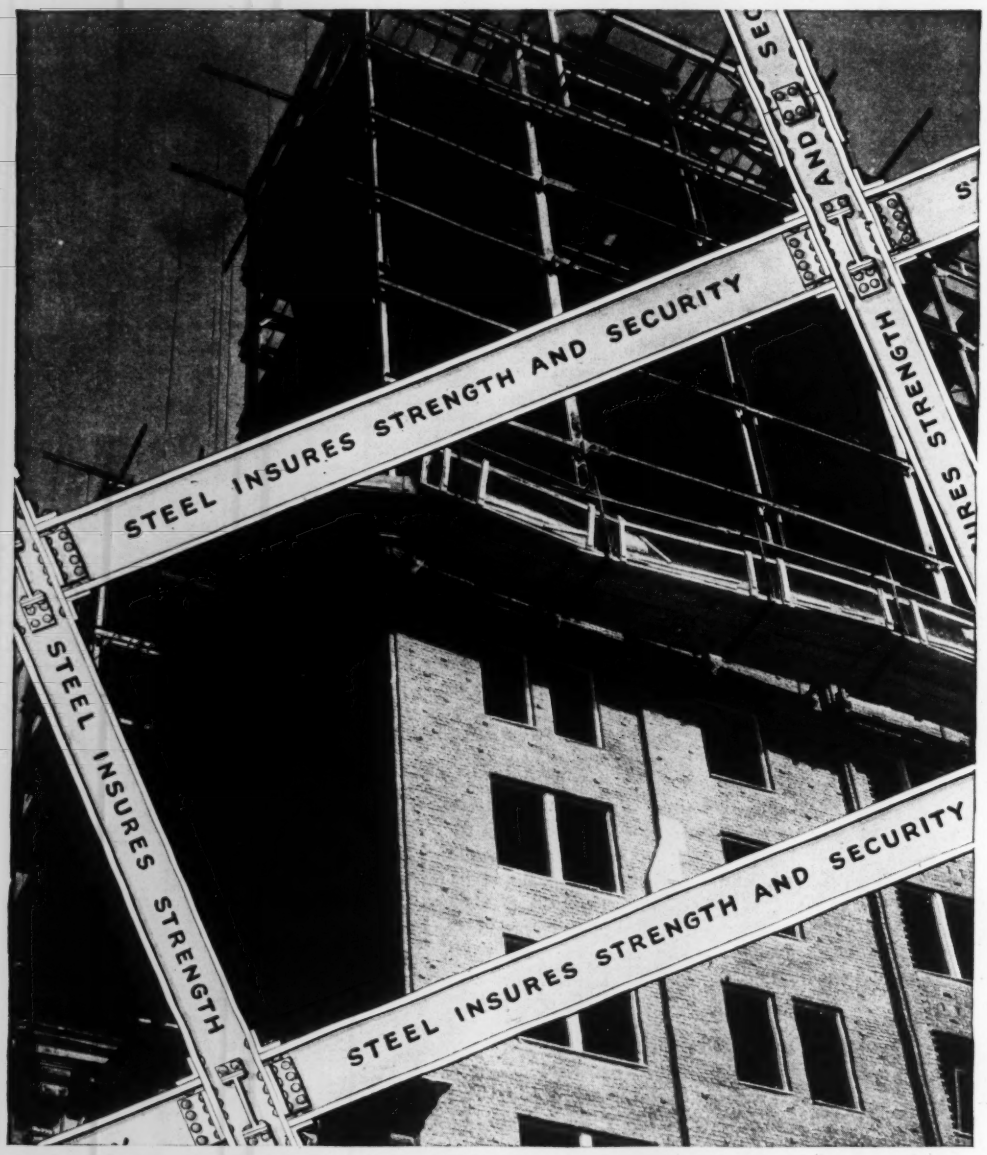
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Buildings—Commercial (Continued)

**Mass., Roxbury** (Boston P. O.)—HOSPITAL—Robert Bent Brigham Hospital, 125 Parker Hill Ave., having plans prepared by Coolidge, Shepley, Bulfinch & Abbott, Ames Bldg., Boston, hospital addition. $150,000 or more.

**N. Y., Binghamton** — HOSPITAL — Lourdee Hospital, 169 Riverside Dr., having preliimnary plans prepared by W. H. Whitlock, Security Bldg., hospital addition, 169 Riverside Dr. $200,000.

**N. Y., Helmuth**—FARM DORMITORY—Dept. Mental Hygiene, Capitol, Albany, takes bids probably in November, farm dormitory at Gowanda State Hospital, here. S. W. Jones, Capitol, Albany, state archt. Noted June 23.

**N. Y., Kingston**—CITY HALL—Common Council having plans prepared by Teller, Betz & Lowe, 284 Wall St., and takes bids about Nov. 14, remodeling city hall. $250,000.

**N. Y., Marcy**—HOSPITAL—Dept. Mental Hygiene, Albany, takes bids probably in December, additions to Utica State Hospital, Marcy Div., here. S. W. Jones, Capitol, Albany, state archt.

**N. Y., New York**—APARTMENT—Sobie Realty Corp., c/o L. Pisciotta, archt., 573 East Tremont Ave., having plans prepared 6 story and basement, 100 x 100 ft., brick, plain foundation, 203 St. near Valentine Ave. $175,000.

**N. Y., New York**—APARTMENT—H. C. Forbes, 66 Bway., having plans prepared by E. Litchfield, 578 Madison Ave., 11 story and basement, brick and steel, plain foundation, 95th St. and Lexington Ave. $400,000.

**N. Y., New York** — CLUB — Downtown Athletic Club, 149 Bway., takes bids in December, 20 story and basement, 80 x 180 ft., brick and steel, plain foundation, incl. bowling alleys, indoor golf course, swimming pool, gymnasium, etc., West Morris St. and Battery Pl. $2,225,000. Starrett & Van Vleck, 393 7th Ave., archts. J. G. White & Co., 43 Exchange Pl., engr.

**N. Y., New York** — LOFT — Clemons Realty Co., c/o J. H. Kneebel, archt., 570 7th Ave., having plans prepared 25 story and basement, 75 x 100 ft., brick and steel, plain foundation, 347 7th Ave. $850,000. C. Mayer, 31 Union Sq., engr.

**N. Y., New York** — RESTAURANT and COMMERCIAL — Childs Co., 200 5th Ave., receiving estimates altering or rebuilding 5 story and basement restaurant and commercial building, 285 Bway., and 3 story, at 1546 Bway. $150,000 each. W. Van Alen, 331 Madison Ave., archt.

**N. Y., New York**—WAREHOUSE—Lord & Taylor, 5th Ave. and 38th St., having plans prepared by Starret & Van Vleck, 393 7th Ave., 10 story and basement, rein.-con., 1st Ave. and 38th St. $1,500,000.

**N. Y., Rochester** — HOSPITAL — Dept. Mental Hygiene, Albany, takes bids in November, new accommodations to replace Monroe Group at Rochester State Hospital, here. S. W. Jones, Capitol, Albany, state archt. Noted Mar. 31.

**N. J., Bayonne**—APARTMENT—Irving Constr. Co., 249 Bway., having plans prepared by M. Kraut, 14 Journal Sq., Jersey City, 5 story and basement, brick and steel, plain foundation, 81-85 33rd St. $150,000.

**N. J., Bloomfield** — APARTMENT — Rosenburg Building Corp., c/o E. F. Hauser, archt., 11 Clinton St., Newark, having plans prepared 5 story and basement, 65 x 150 ft., brick and steel, plain foundation, Glenwood and Evergreen Aves. $170,000.

**N. J., Caldwell** — APARTMENT and STORE—W. J. Fitzsimmons, archt., 626 Central Ave., East Orange, revising plans and soon takes new bids (selected list of bidders) general contract 4 story and basement, 80 x 110 ft., brick and steel, plain foundation, Roseland and Bloomfield Aves., here, for Civic Center Investment Co., 24 Williams St., Newark. $150,000. Former bids rejected. Noted Oct. 6.

**N. J., Cranford**—APARTMENT—N. De Fabio, 334 North Ave. E., having plans prepared by E. Gerber, 786 Broad St., Newark, 3 story and basement, 75 x 150 ft., brick and steel, plain foundation, Riverside Dr. and Casino Ave. $150,000.

**N. J., Elizabeth** — APARTMENT — S. Duchen, West 15th St., Linden, having revised plans prepared by R. Kruger, 60 Branford Pl., Newark, 5 story and basement, brick and steel, plain foundation, 126 DeHart Pl., here. $200,000. Noted Aug. 25.

**N. J., Haledon** (mail Paterson)—HOSPITAL—Bd. Freeholders Passaic Co., Court House, Paterson, having sketches made by F. W. Wentworth, 140 Market St., Paterson, two 1 and 2 story and basement, brick and steel, semi-ambulant buildings, plain foundation, here. $150,000.

**N. J., Highlands** — THEATRE and DANCE HALL—G. Johnson having plans prepared by A. F. Amodio, 45 Branford Pl., Newark, 2 story and basement, brick and steel, plain foundation, Bay Ave. $150,000.

**N. J., Montclair**—APARTMENT—R. H. Sellers, 77 Grove St., had revised plans prepared by N. Harris, 20 Branford Pl., Newark, 3 story and basement, 100 x 175 ft., brick and steel, plain foundation, 77 Grove St. $325,000. Noted Sept. 22.

**N. J., Newark** — APARTMENT — F. Francis, Inc., c/o R. Botelli, archt., 45 Branford Pl., having plans prepared 5 story and basement, brick and steel, plain foundation, 521-27 Elizabeth Ave. $200,000.

**N. J., Newark**—GARAGE—G. Bell, c/o R. B. Stoutenburgh, 60 Park Pl., plans 8 story, 200 x 250 ft., rein.-con., brick and steel, plain foundation, Warren Pl., Washington and Warren Sts. $1,000,000. Engineer and architect's names withheld.

**N. J., Newark**—INDUSTRIAL—Salvation Army, 237 Washington St., having plans prepared by Myers, Bigelow & Shanley, 24 Washington St., 5 story and basement, brick and steel, Pennington St. $150,000.

**N. J., Summit** — APARTMENT — Stuyvesant Constr. Co., 972 Broad St., Newark, had plans prepared by Kasoff & Flatt, 164 Market St., Newark, 3 story and basement, 140 x 160 ft., brick and steel, plain foundation, 15 Norwood Ave. $200,000.

**Va., New Market**—HOTEL, CLUB, etc.—Shenandoah Valley Estates Co., plans 1 to 4 story, 200 room hotel, clubhouse addition, golf course, riding stables, etc., near here. $1,000,000. Amer. Industrial Eng. Co., 90 West St., New York City, engrs.

**N. C., Charlotte** — THEATRE — Paramount-Famous Lasky Corp., Paramount Bldg., New York City, plans theatre, 2,500 seating capacity, here. $1,000,000. Engineer and architect not selected.

**Ga., Atlanta**—CITY HALL—City plans city hall. $1,00,000. Engineer and architect not selected.

**La., Hammond** — THEATRE — W. T. Nolan, archt., Canal Bank Bldg., New Orleans, soon lets contract 2 story and basement, rein.-con., brick and steel, plain foundation, here, for A. Higginbotham & associates.

**Miss., Meridian**—THEATRE—E. Weil, Inc., archts., Whitney Bldg., New Orleans, La., soon lets contract remodeling Hamasa Temple into theatre, here, for Saenger Theatres, Inc., New Orleans, La. $200,000.

**O., Cleveland** — BANK and OFFICE — Pearl St. Savings & Loan Co., H. F. Humel, pres., West 25th St. and Clark Ave., having plans prepared by Walker & Weeks, 2341 Carnegie Ave., brick, steel and concrete, West 25th St. and Clark Ave. $300,000.

**O., Lakewood** (br. Cleveland) — COMMERCIAL and APARTMENT — Detroit-Park Row Co., c/o A. T. Schupp, 1269 Mathews Ave., had plans prepared by O. N. Chamberlin, Carnegie Hall Bldg., Cleveland, 3 story and basement, 58 x 139 ft., brick and steel, Detroit and Park Row Aves. $150,000.

**Mich., Detroit** — APARTMENT — W. A. Montgomery, 2006 Penobscot Bldg., had plans prepared by H. J. Haughey, 112 Madison Ave., 8 story and basement, rein.-con., brick, steel and stone, plain foundation, 3rd Ave.

**Mich., South Haven** — HOTEL and BATH HOUSE—Edgemere Mineral Bath & Hotel Co., 5441 Winthrop Ave., Chicago, Ill., having plans prepared by Leichenko & Esser, 38 South Dearborn St., Chicago, Ill., 4 story and basement, rein.-con., brick and steel, plain foundation, here. $350,000.

**Ill., Chicago**—APARTMENT, OFFICE and STORE—Michigan-Chestnut Building Corp., c/o Frankenstein & Co., 110 South Dearborn St., having plans prepared by Holabird & Roche, 104 South Michigan Ave., 6 story and basement, 100 x 200 ft., rein.-con., brick and stone, Michigan Ave. and Chestnut St.

**Ill., Chicago** — AUDITORIUM — Hungarium Natl. Sick Benevolent Society, c/o C. W. Lampe & Co., archts., 155 North Clark St., having sketches made 3 story and basement, 1,000 seating capacity, brick and terra cotta, 852 Altzeld St. $300,000.

**Ill., Chicago**—GARAGE and STORE—S. J. Richman, 11 South La Salle St., plans 6 story and basement, 130 x 230 ft., rein.-con., 5961-6017 Bway. $750,000. Engineer and architect selected soon.

**Ill., Chicago** — STORE and OFFICE — Tebbetts & Garland, 16 North Michigan Ave., having plans prepared by Schmidt, Garden & Erickson, 104 South Michigan Ave., 12 story and basement, 110 x 180 ft., 16-30 West Washington St. $1,000,000. Noted Aug. 18.

**Ill., Oak Park** — APARTMENT — N. B. Schreiber & Co., 30 North La Salle St., Chicago, soon lets contract 3 story and basement, 141 x 150 ft., brick and stone, Washington Blvd. $350,000. Alexander & Brandt, 64 East Jackson Blvd., Chicago, archts.

**Ill., Oak Park**—APARTMENT—Meyer & Cook, archts., 820 Tower Court, Chicago, prepared plans and soon take bids 3 story and basement, brick, on 50 x 145 ft. site, Ontario St. near Kenilworth Ave. Owner's name withheld.

**Ia., Waterloo**—HOTEL—Tangney & McGinn, c/o Hotel Russell-Lamson, having plans prepared by H. L. Stevens Co., 30 North Michigan Blvd., Chicago, Ill., 9 story, mezzanine and basement, 60 x 116 ft., rein.-con., brick and stone, plain foundation. $600,000.

**Mo., Columbia**—THEATRE and OFFICE—Dozier Stone et al, soon take bids 7 story and basement, 142 x 160 ft., rein.-con., brick, steel and terra cotta, 9th and Locust Sts. $250,000. Boller Bros., 114 West 10th St., Kansas City, archts. Noted July 21.

**Mo., St. Louis**—APARTMENT—Syndicate, c/o E. Wagner, 18 North 8th St., having preliminary plans prepared by P. J. Bradshaw, International Life Bldg., 8 or more story and basement, rein.-con., brick, stone and terra cotta, Skinker Rd. $500,000 up.

**Mo., St. Louis** — HOTEL — Lafayette Realty Co., c/o P. J. Bradshaw, archt., International Life Bldg., soon takes bids 22 story and basement, 70 x 100 ft., rein.-con., steel, stone and terra cotta, 12th Blvd. and Pine St. $3,000,000. W. J. Knight, Wainwright Bldg., engrs. Noted Oct. 13.

**Tex., Galveston**—HOTEL—W. L. Moody, Jr., and associates, having preliminary plans prepared approximately 10 story and basement, rein.-con., brick and stone, Tremont and Boulevard Sts. $300,000.

**Okla., Oklahoma City**—CLUB HOUSE—Oklahoma State Athletic Club, c/o M. E. O'Neil, secy., 607-609 Petroleum Bldg., having plans prepared 10 story and basement, 100 x 140 ft., rein.-con. and brick, plain foundation. $750,000. Engineer and architect not selected.

**Okla., Oklahoma City**—THEATRE—L. M. Ranch having preliminary plans prepared 2 story, rein.-con. and brick theatre, plain foundation, 18th St. and Classen Blvd. $150,000. Engineer and architect not selected.

**Okla., Tulsa** — APARTMENT — R. R. Park Realty Co. having plans prepared by N. E. Peters, Orear-Leslie Bldg., Kansas City, Mo., 9 story and basement, 75 x 140 ft., rein.-con. and brick, plain foundation. $500,000.

**Okla., Tulsa**—HOTEL—A. J. Mamel, 204 West 4th St., having plans prepared by Cross & Duggan, 24 Nebraska Bldg., 8 story, 140 x 150 ft., rein.-con., terra cotta and steel, plain foundation. $750,000.

**Colo., Pueblo**—STORE and OFFICE—R. W. Jewel, Central Blk., and P. H. Philbin, Congress Hotel, having plans prepared by E. C. Groves, 1982 Bway., Denver, 8 story and basement, rein.-con., brick and steel, Main St. $1,000,000.

**Nev., Reno**—APARTMENT—A. H. Larsen, archt., 447 Sutter St., San Francisco, Calif., preparing plans 3 story and basement, timber and stucco, Court and Flint Sts. $150,000. Owner's name withheld.

**Calif., La Jolla**—HOTEL—W. G. Clark, et al. Insurance Exch. Bldg., Los Angeles, plans tourist hotel. To exceed $1,000,000.

**Calif., Los Angeles**—OFFICE—Chamber of Mines & Oil, c/o Walker & Eisen, archts., Western Pacific Bldg., having preliminary plans prepared 13 story and basement, 80 x 150 ft., rein.-con. and steel, 10th and Olive Sts.

**Calif., Oakland**—HOTEL—E. E. Young, archt., 2002 California St., San Francisco, preparing plans 5 story and basement, rein.-con., 16th and Grove Sts. $165,000. Owner's name withheld.

**Calif., Piedmont**—MAUSOLEUM—Weeks & Day, archts., 405 Montgomery St., San Francisco, take bids about Oct. 31, (1st unit) concrete and marble, in Mt. View Cemetery, for Mt. View Cemetery Assn. $200,000. Total $1,000,000.

**Calif., Santa Monica** — BANK and OFFICE—Bank of Italy plans approximately 8 story, 50 x 150 ft., rein.-con.,

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Buildings—Commercial (Continued)

3rd St. and Santa Monica Blvd. To exceed $150,000. Engineer and architect not selected.

**Calif., Santa Monica**—BANK and OFFICE—Bay Cities Guaranty & Loan Assn., 221 3rd St., having preliminary plans prepared by M. E. Durfee, Commercial Exch. Bldg., Los Angeles, 8 story and basement, 50 x 150 ft., steel and brick, 3rd St. and Santa Monica Blvd.

**Que., Temiskaming** — OFFICE and LABORATORY — Canadian International Paper Co., 1153 Notre Dame St., Montreal, had plans prepared by W. L. Somerville, 2 Bloor St. W., Toronto, Ont., 3 story and basement, 42 x 143 ft., brick and steel, plain foundation, here. $150,000.

**Ont., North Bay**—HOTEL—P. Bardessonna & L. Mosealer, Timmins, plan 110 room hotel, Fraser St., here. $250,000. Engineer and architect not selected.

**Ont., Toronto**—CLUB—University Club, 82 King St. W., having plans prepared by Marani, Lawson & Paisley, 219 Bay St., rein.-con., brick and steel, plain foundation. $200,000.

**Ont., Toronto**—GARAGE—Toronto Motor Car Co., 120 Adelaide St. E., having plans prepared 2 or 3 story and basement, 50 x 120 ft., concrete, brick, steel and stone, Yonge St. and Orchard View Blvd. $150,000. Engineer and architect not selected.

**South America, Colombia, Bogota**—HOSPITAL—D. V. Pena had plans prepared by Schmidt, Garden & Erickson, 104 South Michigan Ave., Chicago, Ill., U. S. A., hospital. $500,000.

## *Bids Desired*

**Mass., Brighton** (Boston P. O.)—THEATRE and STORE — See "Contracts Awarded."

**Mass., Lynn**—APARTMENT—See "Contracts Awarded."

**Mass., Medford** (br. Boston)—APARTMENT—See "Contracts Awarded."

**Mass., Milton** (br. Boston)—THEATRE and STORE—See "Contracts Awarded."

**Conn., Hartford** — APARTMENT — See "Contracts Awarded."

**N. Y., New York**—APARTMENT—See "Contracts Awarded."

**N. Y., New York**—GARAGE and RIDING ACADEMY — Dec. 1, by M. W. Whinston, archt., 116 West 39th St., 5 story and basement, 50 x 100 ft., steel and stone, plain foundation, 45 West 66th St., for Manhattan Athletic Club, c/o M. H. Osborne, 92 Pine St. $200,000.

**N. J., East Orange**—APARTMENT—See "Contracts Awarded."

**N. J., Hackensack**—APARTMENT—See "Contracts Awarded."

**N. J., Jersey City**—APARTMENT—See "Contracts Awarded."

**N. J., Leonia** — APARTMENT — Gerden Realty Co., Broad Ave., taking bids 5 story and basement, brick and steel, plain foundation, Broad Ave. and Christie St. $160,000. Lucht & Anderson, 432 Palisade Ave., Cliffside Park, archts.

**N. J., Long Branch** — APARTMENT — See "Contracts Awarded."

**N. J., Newark**—HOSPITAL—Nov. 1, by Sutton, Sutton & Calkins, archts., 402 Broad St. general contract 6 story and basement, 70 x 130 ft., rein.-con., brick and steel, plain foundation, 9th Ave. and 9th St., for Presbyterian Hospital, 25 South 9th St. $500,000. Noted Oct. 20.

**N. J., Orange** — APARTMENT — See "Contracts Awarded."

**N. J., Passaic** — APARTMENT — See "Contracts Awarded."

**Pa., Lansdowne**—APARTMENT—A. C. Bisher, archt., 3044 West Lehigh St., Phila., taking bids 3 story and basement, 80 x 120 ft. with two 42 x 90 ft. wings, brick and steel, plain foundation, here. $275,000. Owner's name withheld.

**Pa., Phila.**—APARTMENT—Nov. 10, by M. A. Bernhardt, archt., 119 South 18th St., 4 story and basement, 85 x 161 ft., brick and steel, plain foundation, 13th St. and 68th Ave., for H. Pearl, 625 South 63rd St. $200,000.

**Md., Baltimore**—SALES and SERVICE—Nov. 1, by Owens & Sisco, archts., Continental Bldg., 1 story and basement, irregular shaped, brick and steel, 29th St. and Remington Ave., for Wilson-Nash Motors Co., 29th St. and Remington Ave.

**Md., Henryton**—ADMINISTRATION—Oct. 29, by Buckler & Fenhagen, archts., 325 North Charles St., Baltimore, 3 story and basement, irregular shaped concrete, brick and steel, here, for Maryland Tuberculosis Hospital, H. Massart, 328 North Charles St., Baltimore, engr.

**Md., Mt. Wilson**—HOSPITAL—Oct. 29, by Buckler & Fenhagen, archts., 325 North Charles St., Baltimore, 2 story and basement, irregular shaped concrete, brick, steel and stone, here, for State Sanitarium. H. Massart, 328 North Charles St., Baltimore, engr.

**Tenn., Knoxville**—THEATRE—Nov. 15, by Graven & Mayger, archts., 180 North Michigan Ave., Chicago, Ill., 3 story, brick and steel, 2,000 seating capacity, here, for Tennessee Enterprises, Inc. $600,000. Noted Aug. 25.

**O., Marion**—THEATRE—Oct. 31, by J. Eberson, archt., 212 East Superior Ave., Chicago, Ill., 1 story, 120 x 153 ft., brick, steel and concrete, here, for Young Amusement Co.

**Mich., South Haven**—HOTEL and BATH HOUSE—Leichenko & Esser, archts., 38 South Dearborn St., Chicago, Ill., taking bids 3 story, basement, and 1 story tower, 146 x 154 ft., rein.-con. and brick, here, for I. S. Cohen. $350,000. Noted Aug. 18.

**Ill., Chicago** — APARTMENT — Wolf, Harper, Sexton & Treaux, archts., 431 North Michigan Ave., taking bids 7 story and basement, 50 x 160 ft., rein.-con., brick and stone, 6530 Kenwood Ave., for Beaconsfield Building Corp., c/o architects. $500,000.

**Ill., Rock Island** — APARTMENT and GARAGE—S. Weisman, 2426 West 19th St., taking bids 3 story and basement, 157 x 170 ft. apartment, and 50 x 100 ft. garage, pressed brick and stone, 17th St. and 18th Ave. $300,000. E. J. Patelski, 179 North Wells St., Chicago, archt.

**Wis., Milwaukee** — APARTMENT—Rosman & Wierdsma, archts., 490 Bway., taking bids 8 story and basement, 120 x 125 ft., brick and steel, plain foundation, 11th St., for Forum Investment Co., c/o architects.

**Wis., Milwaukee** — THEATRE and STORE — Peacock & Frank, archts., 445 Milwaukee St., taking bids 2 story, 95 x 140 ft., brick and steel, plain foundation, 3rd St., for Avalon Co., c/o architects.

**Calif., Los Angeles**—APARTMENT—See "Contracts Awarded."

**Calif., Los Angeles** — APARTMENT — R. M. Bates, archt., 660 South Vermont Ave., taking bids 5 story and basement, 115 x 132 ft., rein.-con., Mariposa Ave., for Orange Co. Investment Co., Pershing Sq. Bldg., $275,000. Noted June 23.

## *Contracts Awarded*

**Mass., Brighton** (Boston P. O.)—THEATRE and STORE—Fitzgerald Corp. H. I. Fitzgerald, 11 General Rd., will build 1 and 2 story and basement, 90 x 250 ft., rein.-con., brick and steel, plain foundation, 326 Washington St. $150,000. Work will be done by separate contracts. J. E. Cahill, 18 Wade St., archt.

**Mass., Cambridge** (Boston P. O.) — HOME, POWER HOUSE and GARAGE—Bd. Pub. Welfare, general contract 3 story and basement, 140 x 400 ft., brick and stone, plain foundation, Concord Ave., to Askin & Sullivan, 580 Massachusetts Ave., $351,313; heating and ventilating, to J. S. Cassidy, 133 Austin St., $63,750; plumbing, to J. H. Larkin, 206 Corey Rd., Brookline, $26,000; and electrical work, to Lord Electric Co., 112 Water St., Boston, $21,800. Grand total $462,863.

**Mass., Lynn**—APARTMENT—T. Palmer, c/o B. E. Porter, archt., 107 Tremont Bldg., Boston, will build 3 story, 60 x 200 ft., brick, steel and stone, Beach Rd., by day labor. $175,000.

**Mass., Medford** (br. Boston)—APARTMENT—F. T. Bustin, 52 7th St., will build 3 story and basement, 60 x 110 ft., brick and stone, plain foundation, 8th and Middlesex Sts., by day labor. $160,000. O. A. Watkins, Rock Glen Rd., archt.

**Mass., Milton** (br. Boston)—THEATRE and STORE—H. W. Bassett, 641 Adams St., East Milton, will build 1 and two story and basement, brick, steel and stone, plain foundation, East Milton Sq., here. $150,000. Funk & Wilcox, 26 Pemberton Sq., Boston, archts. Work will be done by separate contracts.

**Mass., Quincy** (br. Boston)—APARTMENT—Stein & Applebaum, 35 Plymouth St., will build 3 story and basement, brick and stone, plain foundation, Hancock and Dimock Sts., by day labor. $150,000. Private plans. Noted July 14.

**Conn., Bridgeport**—HOTEL—Amer. Hotel Corp., 25 West 45th St., New York City, 14 story hotel, here, to Wark Co., 1600 Walnut St., Phila., Pa. Archts. est. $700,000.

**Conn., Hartford** — APARTMENT — S. I. Ward & Co., will build 3 story, 50 x 170 ft. brick and steel, Evergreen St. $150,000.

**N. Y., New York**—APARTMENT—Bing & Bing, 199 West 40th St., will build 15 story and basement, brick, steel and stone, plain foundation, 94th St. and 5th Ave. $500,000. Work will be done by separate contracts. E. Roth, 1440 Bway., architect. Noted Aug. 18.

**N. Y., New York** — APARTMENT — S. Horowitz, 1800 Davidson Ave., 6 story and basement, brick and steel, Stratford Ave. and 172nd St., to G. Miller, 1482 Bway. Archts. est. $500,000.

**N. Y., New York** — APARTMENTS — Laneson Realty Corp., 15 story and basement, 90 x 102 ft. apartment, 153 East 53rd St., to Bing & Bing, 119 West 40th St. Archts. est. $700,000.

**N. Y., New York** — ARMORY — Armory Bd., Municipal Bldg., general contract altering armory 107th Infantry, to Hedden water Constr. Co., 103 East 125th St. $157,900. Noted Apr. 14.

**N. Y., New York** — CLUBHOUSE and HOTEL—J. M. Howells, archt., 134 East 46th St., 25 story, 80 x 108 ft., brick and steel, plain foundation, Mitchell Pl. and 1st Ave., to Hegeman-Harris Co., Inc., 360 Madison Ave., for Pan Hellenic House Assn., Inc. $1,250,000. Noted Sept. 15.

**N. Y., Rochester**—THEATRE and COMMERCIAL—Graven & Mayger, archts., 180 North Michigan Ave., Chicago, Ill., masonry contract 3 story and basement theatre and commercial building, here, to J. B. Pike & Co., 1 Circle St., for Rialto Corp., New York City. Archts. est. $500,000. Noted Sept. 15.

**N. Y., Syracuse** — HOSPITAL — J. R. Pope, archt., 542 5th Ave., New York City, general contract rein.-con., brick and steel, plain foundation, University Hill, here, to A. G. Stephens, 145 State St., Springfield, Mass., for Syracuse Memorial Hospital. $1,600,000. Noted June 30.

**N. J., East Orange**—APARTMENT and GARAGE—Z. & K. Holding Co., 710 Kinney Bldg., Newark, will build 4 story and basement, 85 x 145 ft. apartment and 1 story, 18 x 100 ft. garage, brick and steel, plain foundations, 115 Halsted St., here. $160,000. Work will be done by separate contracts. Noted Oct. 6.

**N. J., East Orange**—SHOW ROOM and GARAGE—Baldwin Constr. Co., 614 Central Ave., general contract 2 story, 120 x 200 ft., brick and steel, plain foundation, Railroad Plaza, to Fatzler Co., 676 South 16th St., Newark. Archts. est. $150,000. Noted Oct. 6.

**N. J., Hackensack**—APARTMENT—G. and D. Realty Co., 77 Hedden Terrace, Newark, will build 4 story and basement, 80 x 100 ft., brick and steel, plain foundation, Anderson St. and Pangeborn Pl., here. $150,000. Work will be done by separate contracts. Warren & Warren, 31 Clinton St., Newark, archts.

**N. J., Jersey City** — APARTMENT — Zenith Realty & Investment Co., 294 Seymour Ave., will build 5 story and basement, 60 x 114 ft., brick and steel, plain foundation, 49-51 Glenman Ave. $150,000. Work will be done by separate contracts. M. Kraut, 14 Journal Sq., Jersey City, archt.

**N. J., Jersey City**—BANK—J. T. Rowland, Jr., archt., 30 Journal Sq., general contract 1 story, mezzanine and basement, 44 x 100 ft., brick and steel, plain foundation, Bergen and Harrison Aves., to Deakman-Wells Co., 921 Bergen Ave., for Provident Institute for Savings, 239 Washington St. Archts. est. $200,000. Noted Oct. 20.

**N. J., Long Branch** — APARTMENT — David Blum, Inc., 211 Bway., will build 5 story and basement, 50 x 100 ft., brick and steel, plain foundation, Rockwell and Union Aves. $150,000. Work will be done by separate contracts. Seymour & Brauer, Long Branch, archts.

**N. J., Newark**—AMUSEMENT CENTER—Newark Auditorium, Inc., 671 Broad St., general contract 20 story and basement, 160 x 510 ft., rein.-con., brick and steel, concrete pile foundation, Washington and James Sts., to C. T. Wills, Inc., 286 5th Ave., New York City. Archts. est. $6,000,000. Noted Aug. 11.

**N. J., Orange** — APARTMENT — H. C. Cassini, 280 Central Ave., will build 4 story and basement, 60 x 150 ft., brick and steel, plain foundation, Central Ave. $150,000. Work will be done by separate contracts. A. P. Nucciarone, 206 Central Ave., archt. Noted Oct. 20.

**N. J., Passaic**—APARTMENT—P. Bellet, 422 Lexington Ave., Clifton, will build 5 story and basement, brick and steel, plain foundation, 265 Pennington Ave. $150,000. Work will be done by separate contracts. $150,000. Preiskel & Skvarla, 591 Main St., archts. Noted Oct. 20.

**N. J., Trenton**—TEMPLE—O. Schmidt, archt., 201-02 Union Natl. Bank Bldg., Atlantic City, general contract 3 story and basement, 50 x 110 ft., brick and steel, plain foundation, Elizabeth St. and Pennington Ave., to T. Day & Sons, 1109 Green-

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Buildings—Commercial (Continued)

wood St., for Most Worshipful United Grand Lodge F. & A.M. Archts. est. $150,000. Noted Sept. 22.

**N. J., Westfield**—J. F. Jackson, archt., 137 East 45th St., New York City, general contract 3 story and basement, 130 x 150 ft., brick and steel, plain foundation, Ferris Pl. and Clark St., here, to Mercer Constr. Co., 216 Smith St., Perth Amboy, for Y. M. C. A., 116 Elm St. Archts. est. $300,000. Noted Sept. 22.

**Pa., Greensburg**—BANK—Barclay Westmoreland Trust Co., general contract 2 story and basement, 40 x 100 ft., rein.-con., brick and steel, plain foundation, here, to J. E. Snyder, Greensburg. Archts. est. $250,000. Noted Sept. 29.

**Pa., Phila.** — THEATRE, STORE and GARAGE — Hodgens & Hill, archts., 130 South 15th St., 1 story, balcony and basement, 108 x 224 ft., rein.-con., brick and steel, plain foundation, South and 8th Sts., to Haverstick & Bothwick, Schaff Bldg., for Rexy Theatre Co., c/o architect. Noted Sept. 22.

**Md., Hagerstown** — HOTEL — Alexander Hotel Co., 10 story, 50 x 150 ft., rein.-con., brick and steel hotel, to Wise Granite & Constr. Co., 607 East Canal St., Richmond, Va., $450,000. Former contract rescinded. Noted Apr. 28.

**Va., Clifton Forge**—HOTEL—B. J. Rowlett, archt., Richmond Trust Bldg., Richmond. Hotel Jefferson, 100 room, brick, here, to Davis Bros., 1716 Summit Ave., Richmond, for Owner, c/o architect. $250,000.

**Ala., Demopolis** — PASSENGER STATION—See "Buildings-Industrial."

**Miss., Columbus** — PASSENGER STATION—See "Buildings-Industrial."

**La., New Orleans** — HOTEL — Weiss, Dreyfus & Serferton, Inc., archts., Maison Blanche Bldg., general contract 18 story and basement, rein.-con., brick and steel, wood pile foundation, Canal St., for Jung Hotel, Canal and LaSalle Sts., to O. M. Gwinn, Union Indemnity Bldg., $749,937; plumbing and heating, to Sciambra & Masino, 636 North Broad St., $169,751; electrical wiring, to Bunn Electric Co., 835 Baronne St., $40,800; electric elevators, to Otis Elevator Co., 852 Carondelet St., $61,936; ventilating, to Blattman Weeser Sheet Metal Wks., 1001 Toulouse St., $27,100, and refrigerating system, to J. W. Hill Plumbing & Heating Co., New Orleans, $31,900. Grand total $1,081,424. Noted Oct. 6.

**O., Cleveland**—STORAGE—Amer. Steel & Wire Co., H. L. Schuler, engr. constr., Jones Rd., steel contract Mill Building 55, 70 x 480 ft.; 70 x 72 ft. crane runway; 24 x 70 ft. addition to Rod Mill 4; 40 x 144 ft. motor storage building; and 67 x 240 ft. cleaning house addition, East 49th St., to Amer. Bridge Co., Frick Bldg., Pittsburgh, Pa. Archts. est. $750,000. Private plans.

**Ind., Indianapolis**—APARTMENT—S. A. Clinehens, 913 Fletcher Trust Bldg., 3 story and basement, 91 x 120 ft., brick and steel, 38th St. and Boulevard Pl., to F. W. Hauser, 605 Merchants Bank Bldg. Archts. est. $200,000.

**Mich., Detroit**—OFFICE—Detroit Edison Co., 2000 2nd Blvd., two 2 story, 40 x 80 ft., and 40 x 85 ft., rein.-con., brick and steel, plain foundation, one at 12th St., and other Grand River Ave., to A. A. Albrecht Co., Penobscot Bldg. Archts. est. $150,000.

**Mich., Niles** — STORE and OFFICE — W. Ready, general contract, 2 story and basement, brick and steel, Main St., to John Nelson Co., 212 Monroe St. Archts. est. $160,000.

**Ill., Chicago** — APARTMENT — Quinn & Christiansen, archts., 360 North Michigan Ave., masonry contract 13 story and basement, 61 x 125 ft., rein.-con., brick, stone and terra cotta, 6700 Crandon Ave., to E. Edlund, 1833 Greenleaf Ave.; plumbing, to Federal Eng. Co., 3240 South Michigan Ave.; heating, to Harrison, Spielman & Co., 480 Wilwaukee Ave., for Syndicate, c/o architects. Archts. est. $900,000. Noted Mar. 17.

**Ill., Chicago** — APARTMENT — Quinn & Christiansen, archts., 360 North Michigan Ave., general contract 17 story and basement, 50 x 125 ft., rein.-con., brick and stone, 5520 Sheridan Rd., to H. Janisch & Co., 1801 Winona St., for Syndicate, c/o architects. Noted Oct. 20.

**Ill., Chicago**—AUTO SERVICE—Chicago-Nash Co., 2431 South Michigan Ave., general contract 3 story and basement, 160 x 260 x 316 x 376 ft., rein.-con., brick, steel and terra cotta, 210,000 sq.ft. floor space, 24th St., Prairie and Indiana Aves., to Kelly-Atkinson Co., 189 West Madison St. Noted Sept. 1.

**Ill., Evanston** — APARTMENT — F. W. Cauley (owner and archt.), 7325 Clayton St., Chicago, masonry contract 7 story apartment house, 1518 Hinman Ave., here, to Borg & Johnson, 3452 Irving Park Blvd., Chicago; plumbing and heating, to Nilson Bros., 3222 North Halsted St. Archts. est. incl. site $410,000.

**Ill., Joliet**—D. H. Burnham & Co., archts., 160 North La Salle St., Chicago, general contract 5 story, 99 x 150 ft., here, to Hanson & Peterson Co., Joliet, for Y.M.C.A. Archts. est. $500,000. Noted June 30.

**Minn., Stillwater**—PRISON—Comns. Administration & Finance, State Capitol, St. Paul, general contract 3 story and basement, rein.-con. and brick addition to prison, here, to F. C. Norlander, 804 Metropolitan Bank Bldg., St. Paul, $196,500. Noted Sept. 22.

**Kan., Wichita**—THEATRE—Syndicate, 2 story and basement, 100 x 130 ft., rein.-con., brick and stone, Douglas and Hillside Sts., to G. H. Siedhoff Constr. Co., Broadview Hotel Bldg. Archts. est. $150,000.

**Mo., Cape Girardeau**—HOTEL—Cape Girardeau Hotel Co., c/o C. L. Harrison, pres., general contract Marquette Hotel, 6 story and basement, 96 x 150 ft., rein.-con., brick, stone and terra cotta, Bway. and Fountain Sts., to A. H. Gerhardt, Cape Girardeau, $143,175. Noted Oct. 20.

**Mo., St. Louis**—APARTMENT—Syndicate forming, c/o C. E. Etz, archt., 110 North 7th St., 3 story and basement, 180 x 187 x 260 ft., rein.-con., brick and stone, South Kingshighway, to William H. Smith, 110 North 7th St. Archts. est. approximately $500,000. Noted Sept. 29.

**Tex., Harlingen** — THEATRE — Dent Theatre, Inc., c/o L. L. Dent, pres., 2009½ Jackson St., Dallas, remodeling 3 story, brick and concrete, here, to R. E. Ewing, Harlingen. Archts. est. $165,000.

**Okla., Oklahoma City** — EXCHANGE — Southwestern Bell Telephone Co., 11th and Pine Sts., St. Louis, Mo., general contract 16 story and basement, 75 x 140 ft., rein.-con., brick and steel, plain foundation, Bway., here, to Hughes & O'Rourke, 1907 North Houston St., Dallas, Tex., $700,000; steam heating, to Cook & McDonnell, Oklahoma City, $200,000. Noted Sept. 29.

**Okla., Tulsa** — BANK and OFFICE—Weary & Alford, archts., 1923 Calumet Ave., Chicago, Ill., brick concrete, masonry, carpentry, sheet metal and roofing contract 24 story 60 x 135 ft., with 5 story L, Boston St., here, to F. M. Siesel & Co., 160 Ogden Ave., Milwaukee, Wis.; granite, to Maine & New Hampshire Granite Corp., North Jay, Me.; terra cotta, to Northwestern Terra Cotta Co., 2525 Clybourn Ave., Chicago, Ill.; foundation, to R. Grimshaw, Kennedy Bldg., for Exchange Natl. Bank, Boston St. Archts. est. to exceed $1,000,000. Noted Sept. 8.

**Calif., Glendale**—BANK and OFFICE—Los Angeles 1st Natl. Trust & Savings Bank, Los Angeles, 6 story and basement, steel, Brand Blvd. and Bway., here, to C. Thoren, 5615 West 4th St., Los Angeles, approximately $400,000.

**Calif., Long Beach**—APARTMENTS and GARAGE—L. V. Mayell, 41 Kennebec Ave., two 14 story and basement, 50 x 210 ft. apartments, and 2 story garage, rein.-con. and steel, Ocean Blvd. and Alameda St., to Kinne & Westerhouse, Black Bldg., Los Angeles, $1,000,000.

**Calif., Los Angeles**—APARTMENT—D. M. Morris, 3390 San Marino St., will build 7 story and basement, 50 x 120 ft. apartment, 2nd and Mariposa Sts., by day labor. $250,000. F. J. J. Kuchler, 6128 Brynhurst Ave., archt. Noted Oct. 6.

**Calif., Los Angeles** — APARTMENT — E. C. Williams, 4 story and basement, 50 x 140 ft., brick, 9th St. and Hobart Blvd., to H. Shaw, 412 Pacific Mutual Bldg., approximately $165,000.

**Calif., Riverside** — OFFICE — Security Title & Guaranty Co., 2 story and basement, rein.-con., Orange and 8th Sts., to R. Wescott Co., 710 South Garfield Ave., Alhambra, $165,000.

**Calif., San Francisco** — OFFICE and GARAGE — F. C. Morgan, et al., Hunter-Dulin Bldg., 33 to 40 story, incl. garage, Sutter St., to Lindgren-Swinerton, Inc., 225 Bush St., approximately $4,000,000. Noted Oct. 20.

**Ont., Toronto**—APARTMENT—A. Atkins, 1223 Dufferin St., general contract 2 story and basement, rein.-con., brick and steel, plain foundation, Kingston Rd., to A. Grace, Rusholme Rd.; plumbing and heating, to Duffort Bros., 916 Kingston Rd. Archts. est. $150,000.

**Ont., Toronto** — APARTMENT — F. J. Reynolds, 103 Merrick Ave., general contract 3 story and basement, rein.-con., brick and masonry and steel, plain foundation, Queen St., to P. Rodaro, 437 Symington Ave. Archts. est. $175,000. Noted Sept. 15.

**B. C., Tranquille**—HOSPITAL—Provincial Govt. Victoria, 3 story, rein.-con. 100 bed hospital, staff residence, laundry addition, etc. plain foundation, here, to E. J. Ryan Contg. Co., 445 Granville St., Vancouver, $285,945, electrical work, to Hume & Rumble, Ltd., 713 Columbia St., New Westminster, $37,500. Noted June 9.

# Buildings—Industrial

## *Proposed Work*

**Me., Lewiston**—MILL—J. B. Ham Co. plans grain mill, West, Bates and Spring Sts. $40,000 or more. Engineer and architect not selected.

**Mass., Boston**—GARAGE—J. H. Broderick, 101 Tremont St., having sketches made by G. E. Robinson, 80 Federal St., 3 story, rein.-con. brick and steel, 176-194 Ipswich St. To exceed $40,000.

**Mass., North Dartmouth** — ICE HOUSE, etc.—A. Lagrasse, 2147 Pleasant St., Fall River, plans rebuilding ice house, recently destroyed by fire, here. $50,000 or more. Engineer and architect not selected.

**Mass., Salem** — FACTORY — Wineapple Bros., Mason St., having plans prepared by W. H. Hunt & Son, 197a Washington St., 1 story, 60 x 80 ft., timber addition, plain foundation.

**R. I., Newport**—REPAIR and SERVICE GARAGE—H. L. Rooney, 116 Bellevue Ave., plans 1 story, rein.-con. and steel, Middletown Ave. $40,000 or more. Private plans.

**N. Y., Binghamton** — COLD STORAGE PLANT—Dept. Pub. Wks., Albany, takes bids probably in January cold storage plant, at Binghamton State Hospital, here. S. W. Jones, Capitol, Albany, state archt.

**N. Y., Brooklyn**—STEEL FABRICATING PLANT—Mansfield Iron Wks., Inc., 878 East 43rd St., plan steel, East Mill Basin. To exceed $50,000.

**N. J., Newark** — FACTORY — Hygienic Tube Co., 88 McWhorter St., having revised plans prepared by A. Peter, 207 Market St., 1 story, 100 x 100 ft., brick and steel, plain foundation, Ave. L and Mary St. $40,000. Noted Aug. 18.

**N. J., Newark** — FACTORY, etc. — J. Morin & Co., Inc., 318 Jefferson St., having revised plans prepared by A. Peter, 207 Market St., 1 story and basement, 40 x 130 ft., brick and steel factory and office building, plain foundation, 320-4 Jefferson St. $40,000. Former bids rejected. Noted July 28.

**N. J., Verona** (Ind. br. Montclair)—ICE PLANT—Wigton-Abbott Corp., engrs. and archts., 552 West 23rd St., New York City, soon lets general contract 1 story, 98 x 126 ft., brick and tile, here, for Inwood Consumers Ice Mfg. Corp. $40,000.

**Pa., Phila.**—FACTORY—Ballinger Co., archts., 12th and Chestnut Sts., soon lets contract 2 story and basement, 84 x 207 ft., brick and steel addition, plain foundation, for J. W. Watson Co., 24th and Locust Sts.

**Pa., Phila.**—BAKERY—Better Cake Co., 1034 South 57th St., soon lets contract 1 story and basement, 40 x 225 ft., brick and steel, plain foundation, 54th and Greenway Sts. Private plans.

**Pa., Safe Harbor** — HYDRO-ELECTRIC PLANT—See "Unclassified."

**Md., Baltimore**—PLANT—International Paint Corp., 13th St. and Southern Ry., East St. Louis, Ill., G. B. Dunford, genl. mgr., plans 2 story, 25,000 sq.ft. floor space, Colgate Creek and Pennsylvania R.R. tracks, here.

**N. C., Greensboro**—FREIGHT STATION—Southern Ry. Co., B. Herman, ch. engr., 1300 Penn Ave., Wash., D. C., takes bids about Dec. 1, general contract rein.-con., brick and steel addition, plain foundation, incl. store house, tracks, driveways, ramps, loading platforms, here. Fedilheimer & Wagner, 155 East 42nd St., New York City, archts. Noted July 6.

**N. C., Reidsville** — FACTORY — Amer. Tobacco Co., 111 5th Ave., New York City, having plans prepared 2 or 3 story, 82 x 252 ft., brick and steel addition, Jackson St., here. $150,000. J. E. Sirrine & Co., Greenville, S. C., engrs.

**Ga., Atlanta** — AUTO FACTORY — General Motors Corp., General Motors Bldg., Detroit, Mich., purchased site and plans 4 buildings, incl. 350 x 800 ft. assembly plant, 160 x 680 ft. Fisher body unit, 120 x 200 ft. parts building and 40 x 200 ft. office building, here. $5,000,000.

**Tenn., Memphis**—LAUNDRY—A. Sharft, Poplar Park, soon lets contract 2 story, 126

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Buildings—Industrial (Continued)

x 240 ft. laundry, Linden St. $200,000. Jones & Furbinger, Porter Bldg., archts.

**O., Alliance** — GARAGE — Mather Auto Serv. Co. soon takes bids 3 story, 60 x 140 ft., concrete, brick and steel garage and storage building. $50,000.

**O., Cleveland** — FACTORY — Kux-Bleiweiss Co., M. Kux, secy.-treas., 3626 Lakeside Ave. N. W., had plans prepared by G. S. Rider Co., Century Bldg., 1 story, 36 x 150 ft. brick and steel top addition. $40,000.

**O., Hanover** — FACTORY — D. Lehman, secy. Hanover Brick Co., 63 Ruggery Bldg., Columbus, plans rebuilding 1 story, brick and steel factory, recently destroyed by fire. $100,000. Private plans.

**Mich., Detroit**—GARAGE and TRANSFER STATION—City having plans prepared 2 story, 50 x 200 ft., rein.-con. and brick, plain foundation, French and Lynch Rds. $150,000. P. A. Fellows, city engr.

**Kan., Wichita**—WAREHOUSE—Crane & Co., North Water St., having plans prepared by Schmidt, Boucher & Overend, 4th Natl. Bank Bldg., 1 and 2 story and basement, 150 x 150 ft., rein.-con. and brick warehouse. $100,000.

**Mo., Independence**—FOUNDRY—Clay & Bailey, 7007 East 15th St., Kansas City, plans new foundry, here.

**Tex., Big Springs** — OIL REFINERY — Reese Allen Refinery having preliminary plans prepared and surveys made, etc. oil refinery. $100,000.

**Tex., La Feria**—COLD STORAGE PLANT —Central Power & Light Co., c/o F. C. Ludden, dist. mgr., San Benito, plans cold storage plant, here. $40,000. Engineer selected soon.

**Tex., Mercedes** — COLD STORAGE PLANT—Central Power & Light Co., c/o F. C. Ludden, mgr., San Benito, plans 1 story, brick and concrete, here. Engineer and architect not selected.

**Tex., Raymondville**—COLD STORAGE PLANT—Central Power & Light Co., c/o F. C. Ludden, mgr., San Benito, plans 1 story, concrete and brick, here. Engineer and architect not selected.

**Tex., San Saba**—COTTIN GIN PLANT—Ponton & Vogel plan cotton gin plant, probably 60 bale capacity. $40,000. Engineer selected soon.

**Okla., Cushing**—LIGHT PLANT—City plans 800 hp. Diesel engine electric light plant. $75,000. T. E. Hough, city clk. Engineer and architect not selected.

**Colo., Pueblo**—AIRPLANE FACTORY—Pueblo Aircraft, Inc., c/o H. Petersen, atty., 1st Natl. Bank Bldg., plans airplane factory near City Park. $100,000.

**Wash., Tacoma**—PULP MILL—Union Bag & Paper Co., Woolworth Bldg., New York City, having preliminary plans prepared and takes bids about Jan. 1, pulp mill, incl. machinery and equipment, etc. $2,200,000. H. S. Ferguson, 200 5th Ave., New York City, engr.

**Calif., Chico**—PLANT—Chico Ice & Cold Storage Co., 13th St. and Park Ave., had plans prepared 1 story, rein.-con., Park Ave. $60,000. Private plans.

**Calif., Chico**—PLANT—C. H. Aroyan, c/o Point Reyes Creamery, Point Reyes, plans powdered milk plant, 7th and Orange Sts. $40,000.

**Calif., Lankershim**—ICE PLANT—Natl. Ice & Cold Storage Co., 200 Center St., Los Angeles, plans ice plant, probably rein.-con., here. $150,000.

**Calif., Los Angeles**—FACTORY—Hurley Machine Co., 1017 South Grand Ave., Los Angeles, and 600 West Jackson Bldg., Chicago, Ill., plans assembly and repair plants for Thor washing machines, ironers, vacuum cleaners, etc. To exceed $40,000.

**Calif., Los Angeles**—LAUNDRY—Hollywood Serv. Laundry, c/o W. J. Saunders, archt., Laughlin Bldg., had plans prepared 2 story, 145 x 235 ft., concrete, Highland Ave. $150,000.

**Calif., Sacramento**—PULP and PAPER PLANT—Sacramento Pulp & Paper Co., 404 Bryte Bldg., plans fireproof plant, 25 ton daily capacity.

**Ont., Leamington** — FACTORY — H. J. Heinz Co., 1062 Progress St. N.S., Pittsburgh, Pa., plans plant addition, here. $100,000.

**B. C., West Vancouver**—SUBSTATION—British Columbia Electric Ry. Co. Ltd., 425 Carrall St., Vancouver, having plans prepared new automatic substation, here. $50,000. J. I. Newell, 425 Carroll Et., Vancouver, engr.

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## *Bids Desired*

**Mass., Boston** — FISH HANDLING PLANT—Commonwealth Ice & Cold Storage Co., A. L. Parker, 220 Northern Ave., taking bids altering and constructing 3 story, brick and steel addition, at Fish pier. To exceed $40,000. E. N. Pike, 38 Chauncy St., archt.

**Mass., Framingham**—FACTORY—Archer Strauss Rubber Co., J. J. Sindler, in charge, taking bids altering and constructing 1 and 2 story 100 x 225 ft., rein.-con. and brick addition, plain foundation, Herbert St. $50,000. I. Richmond, 48 Boylston St., Boston, archt.

**Mass., Worcester** — WORK SHOP and SALESROOM—See "Contracts Awarded."

**R. I., Providence** — GARAGE and REPAIR SHOP—J. Conn, c/o T. J. H. Pierce, Inc., archts., 30 Allens Ave., taking bids rein.-con. and steel, plain foundation, Chestnut and Broad Sts. To exceed $40,000. Noted July 28.

**N. Y., New York**—AUTO SERVICE and REPAIR GARAGE — See "Contracts Awarded."

**N. J., Hoboken** — FURNITURE FACTORY — See "Contracts Awarded."

**N. J., Jersey City**—WAREHOUSE—See "Contracts Awarded."

**N. J., Newark**—BLENDING PLANT—See "Contracts Awarded."

**Pa., Sharon** — MACHINE SHOP — See "Contracts Awarded."

**Miss., Water Valley** — CHEESE FACTORY—Nov. 1, by H. K. Hunter, 2 story cheese factory, brick, for Yolobusha Milk Products Co., $50,000. Austin Co., 160 North LaSalle St., Chicago, Ill., engrs.

**Mich., Detroit** — POWER PLANT — A. Kahn, archt., 1000 Marquette Bldg., taking bids and opens same about Oct. 27, 2 story, 47 x 85 ft., rein.-con. and brick addition, plain foundation, for Chevrolet Motor Corp., 3044 West Grand Blvd.

**Mich., Detroit** — FACTORY — J. H. G. Steffens, archt., 415 Brainard St., taking bids and opens same about Oct. 29, 3 story, 30 x 60 ft., rein.-con., brick and steel, plain foundation, Commonwealth Ave., for Kermath Mfg. Co., 5890 Commonwealth Ave. $50,000.

**Kan., Ottawa**—GAS PLANT—See "Contracts Awarded."

**Calif., Los Angeles**—FACTORY—See "Contracts Awarded."

## *Contracts Awarded*

**Mass., Attleboro** — PAPER PLANT — Amer. Reinforced Paper Co., County St., 1 story, 60 x 170 ft., rein.-con. and brick, plain foundation, Starkey Ave., to C. K. Rathbone, 112 Medway St., Providence, R. I. $50,000 or more.

**Mass., Boston**—SUB-STATION—Edison Electric Illuminating Co., 39 Boylston St., 4 story and basement, 80 x 100 ft., brick and steel, plain foundation, 31-33 Hawkins St., to F. T. Ley Co., Inc., 20 Providence St. Archts. est. to exceed $40,000. Noted Sept. 29.

**Mass., Cambridge** (br. Boston)—REPAIR and SERVICE GARAGE—Klauer Bros., 345 Franklin St., 2 story, 13,000 sq.ft. floor space, brick and steel, plain foundation, Franklin St., to E. J. Rappoli, 53 Moulton Rd., Arlington. Archts. est. $50,000. Noted Oct. 13.

**Mass., Cambridge** (Boston P.O.)—SALES, SERVICE and REPAIR GARAGE—M. H. Gulesian, 85 Commonwealth Ave., Newton, 2 story, 125 x 180 ft., rein.-con., brick and steel, plain foundation, 128-144 Brookline St., here, to Marden & Orlando, 143 River Rd., Winthrop. Archts. est. $100,000.

**Mass., East Boston** (br. Boston)—MANUFACTURING—H. Wise, 58 Summit Ave., Winthrop, 2 story, 30 x 60 ft., rein.-con. and brick, plain foundation, 166-168 London St., to A. Spinnarello, 247 Chelsea St.

**Mass., Fitchburg**—REPAIR and SERVICE GARAGE—Kenmore Realty Co., c/o B. Rockman, 41 Nobscott Rd., Newton, 2 story and basement, brick and steel, plain foundation, Broad and Putnam Sts., here, to Morgan Bros. Constr. Co., Little Bldg., Boston. Archts. est. $50,000.

**Mass., Haverhill** — FACTORY — J. A. Wood, 70 Brockton Ave., altering and constructing 2 story brick addition, plain foundation, 97-99 Locust St., to E. L. Baily, 171 North Ave.

**Mass., Newton** — FACTORY — Owner, 1 story, 40 x 50 ft., rein.-con. and brick, plain foundation, Riverview Ave., to A. A. Walsh, 311 Moody St., Waltham.

**Mass., Somerville**—CENTRAL HEATING PLANT—City, L. M. Conwell, mayor, City Hall, 1 story, brick central heating plant for High School extension, Highland Ave., to J. M. Hartwell, 46 Cornhill, Boston.

**Mass., Worcester** — WORK SHOP and SALESROOM—F. W. Taylor, 438 Main St., will alter 2 story, brick, 404 Main St. by day labor. $50,000. Cutting, Carlton & Cutting, 44 Front St., archt.

**R. I., Providence**—REPAIR and SERVICE GARAGE—C. H. Page & Son, 200 South Main St., 1 story and basement, 50 x 100 ft., rein.-con., brick and steel, plain foundation, Wells St., to P. J. Flynn, 17 Exchange St. Archts. est. $40,000.

**Conn., Stamford** — POWER HOUSE — Stamford Gas & Electric Co., 11-17 Bank St., 1 story, 60 x 75 ft., brick, steel and concrete addition South St., to T. J. Pardy Constr. Co., 1481 Seaview Ave., Bridgeport. Archts. est. $95,000.

**N. Y., New York**—AUTO SERVICE and REPAIR GARAGE—Shakespeare Building Corp., 277 Bway., will build 2 story, 100 x 120 ft., brick and steel, plain foundation, Cromwell Ave. $100,000. Work will be done by separate contracts. Franklin, Bates & Heindsmann, 2526 Webster Ave., archts.

**N. J., Hoboken** — FURNITURE FACTORY — Ferguson Bros. Mfg. Co., 822 Monroe St., will build 2 story, rein.-con. furniture factory. $200,000. Work will be done by separate contracts. O. S. Schlick, 136 Liberty St., New York City, archt. Concrete piles and foundation for same, awarded to Stillman-Delehanty & Ferris Co., 1 Exchange Pl., Jersey City.

**N. J., Jersey City**—CAN FACTORY—Amer. Can Co., 120 Bway., New York City, steel contract 7 and 8 story, 200 x 500 ft., rein.-con., brick and steel, St. Pauls Ave. and Erie R.R. tracks, here, to Amer. Bridge Co., 30 Church St., New York City; and reinforcing steel, to McClintic Marshall Co., 50 Church St., New York City. Noted Oct. 20.

**N. J., Jersey City** — GLASS FACTORY and OFFICE—M. T. Treadwell Co., Inc., 140 Cedar St., New York City, 1 story, 120 x 200 ft. factory, and 15 x 40 ft. office building, brick and steel, plain foundation, Tonnelle Ave. between Thorne and Bleecker Sts., here, to M. T. Connolly, Secaucus Rd., Secaucus. Archts. est. $40,000.

**N. J., Jersey City**—WAREHOUSE—Natl. Asbestos Mfg. Co., 163 Henderson St., will build 1 story, 80 x 180 ft., rein.-con., brick and steel, plain foundation, 163-93 Henderson St. $80,000. Work will be done by separate contracts. A. Davis, 140 Montgomery St., archt. Noted Oct. 20.

**N. J., Newark**—BLENDING PLANT—Hudson Oil Co., M. Campbell, 109 Broad St., will build 1 story, rein.-con., brick and steel, plain foundation, Doremus Ave. $60,000. Work will be done by separate contracts. E. A. Self, 247 Park Ave., New York City, archt.

**N. J., Piscataway town** (mail New Brunswick)—GAS PLANT—Internal Combustion Engine Corp., 200 Madison Ave., New York City, will build low temperature carbonization gas plant, at Silver Lake, here. $1,500,000. Work will be done by separate contracts. Private plans. Noted Aug. 18.

**N. J., Vineland** — FACTORY — Kimble Glass Co., 2 and 3 story and basement, 52 x 160 ft. and 24 x 46 ft., rein.-con., brick and steel, plain foundation, to H. J. Homan Co., 18th and Cherry Sts., Phila., Pa.

**Pa., New Castle** — PLANT — Shenango Pottery Co., general contract 1 and 3 story, 100 x 540 ft., and 180 x 400 ft., brick and steel addition, to Austin Co., Union Trust Bldg., Pittsburgh. Archts. est. $500,000.

**Pa., Phila.**—CIGAR FACTORY—Bayuk Cigar Co., 3rd and Spruce Sts., general contract 8 story and basement, 60 x 100 ft. cigar factory, here, to Wark Co., 1600 Walnut St.

**Pa., Sharon**—MACHINE SHOP—Sharon Steel Hoop Co. will build 1 story, 70 x 100 ft., brick and steel machine shop. $50,000. Work will be done by separate contracts. Private plans. Noted Oct. 6.

**N. C., Statesville** — SILK MILL — J. C. Bossong & Co., 88 Franklin St., New York City, silk mill, here, to Grier-Lowrance Constr. Co., Statesville. Engrs. est. $200,000.

**Ala., Demopolis**—FREIGHT and PASSENGER STATION—R. G. Stephens, archt., c/o St. Louis-San Francisco Ry. Co. (owner), Frisco Bldg., St. Louis, Mo., 1 story, 35 x 226 ft., rein.-con., brick and steel, here, to W. F. Pauley, 741 South St., Springfield, Mo. Archts. est. $100,000.

**Miss., Columbus**—FREIGHT and PASSENGER STATION—R. G. Stephens, c/o St. Louis-San Francisco Ry. Co. (owner), Frisco Bldg., St. Louis, Mo., 1 story, 35 x 226 ft., rein.-con., brick and steel, here, to W. F. Pauly, 741 South St., Springfield, Mo. Archts. est. $100,000.

**Miss., Water Valley**—LIGHT PLANT—See "Waterworks."

Buildings—Industrial (Continued)

**Tenn., Elizabethton**—SILK MILL—Amer. Bemberg Corp., 65 Madison Ave., New York City, general contract rein.-con., brick and steel addition, here, to J. W. Cowper Co., Inc., Fidelity Bldg., Buffalo, N. Y.; and steel work, to Virginia Bridge & Iron Co., Roanoke, Va. Engrs. total est. $3,000,000. Noted July 21.

**O., Cleveland** — FACTORY — Champion Machine & Forging Co., L. W. Greve, pres., 3695 East 78th St., 1 story, 89 x 178 ft., brick and steel, 3695 East 78th St., to Hecker-Moon Co., 8701 Union Ave. Archts. est. $40,000. Noted Oct. 13.

**Ind., Hammond**—BOILER ROOM, TURBINE ROOM, etc.—State Line Generating Co., superstructure 339 x 420 ft. boiler room, turbine room and switch house, to Herlihly Bros., 6 North Michigan Ave., Chicago, Ill., approximately $2,000,000.

**Ind., South Bend**—MACHINE SHOP—Whitcomb & Keller, general contract 1 story and basement, 33 x 165 ft., rein.-con., brick, steel and stone, machine shop and sales department, 317 South Lafayette St., to C. A. Jordan, 2303 Kerslade St. Archts. est. $43,000.

**Ind., Terra Haute**—SHOP and GARAGE —L. E. Waterman, general contract 1 story, 65 x 160 ft., brick and steel, Cherry St., to Adams & Sanford, 1215 South 8th St. Archts. est. $40,000.

**Mich., Detroit**—MOTOR PARTS FACTORY—Detroit Motor Parts Co., 11801 Mack Bldg., 1 and 2 story, 140 x 427 ft., rein.-con., brick and steel, plain foundation, Mack Ave., to Walbridge Alldinger Co., 2312 Penobscot Bldg. Archts. est. approximately $125,000. Noted Oct. 13.

**Mich., Detroit** — CANDY FACTORY — Smith, Hinchman & Grylls, archts., and engrs., 800 Marquette Bldg., 3 story, 70 x 100 ft., rein.-con. and brick, plain foundation, Gratiot Ave., to C. O. Barton Co., 508 Free Press Bldg for Detroit Candy Co., 1528 Gratoit Ave. Archts. est. $150,000. Noted Oct. 6.

**Mich., Flint**—SPARK PLUG FACTORY —A. C. Spark Co., Industrial Ave., 1 story, 84 x 364 ft., brick and steel addition, plain foundation, to Austin Co., General Motors Bldg., Detroit. Engrs. est. $40,000.

**Ill., Chicago** — FACTORY — Best Food, Inc., 2802 South Kilbourne Ave., masonry and carpentry contract 2 story, 66 x 253 ft., brick, 2842-48 Kilbourne Ave. S., to E. L. Archibald Co., 111 West Washington St. Archts. est. $83,000.

**Wis., Milwaukee**—KNITTING MILL—Federal Eng. Co., engrs., 440 Milwaukee St., general contract 4 story and basement, 100 x 140 ft., concrete and brick, plain foundation, 220 Reed St., to P. Riesens Sons, 1018 Humboldt Ave., for Eagle Knitting Mills, 186 East Water St. $175,000. Noted Sept. 22.

**Kan., Ottawa**—GAS PLANT—Cities Serv. Gas Co., will build 1 story and basement, 70 x 120 ft. and 30 x 120 ft. gas plant, Logan St. $600,000. Work will be done by separate contracts under supervision C. A. Caddin, 234 Maple St., supt. constr. Private plans.

**Mo., Marshall**—AIRPLANE FACTORY—Nicholas-Beazley Airplane Co., R. Nicholas, pres., 32 x 300 ft., and 80 x 160 ft. both 1 story, rein.-con. and steel, North and English Sts., to W. P. Gollong, Marshall. Archts. est. $40,000. Noted Oct. 13.

**Mo., St. Joseph** — BREWERY — M. K. Goetz Brewing Co., 6th and Albermarle Sts., 4 story and basement, 30 x 65 ft., and 45 x 61 ft., rein.-con. and brick additions, 6th and Albermarle Sts., to Lawhon Constr. Co., 110 North 9th St. Archts. est. $75,000.

**Tex., Houston**—PUBLISHING PLANT—Gulf Publishing Co., 1716 Dallas St., 2 story, 70 x 166 ft., rein.-con. and steel, Buffalo Dr. and Rochow St., to D. Hall, Cotton Exch. Bldg., Houston, $85,000.

**Tex., Wichita Falls**—FACTORY—Kraft Cheese Co., c/o C. H. Kraft, brick and timber, Sibley and Broad Sts., to Naylor & Collins Co., 3000 Grand St. $40,000.

**Okla., Tulsa**—INDUSTRIAL—Frates Co., 19 West 4th St., 4 story and basement, 100 x 140 ft., rein.-con. and brick, Cincinnati St., to B. Gillilan, 1410 East 6th St., $125,000.

**Calif., Anaheim**—BAKERY—Weber Baking Co., 582 San Pedro St., Los Angeles, 1 and 2 story, 85 x 150 ft., brick and rein.-con., Placentia St. and State Blvd., near here, to Hamlyn & Young, Anaheim. $50,000.

**Calif., Los Angeles**—FACTORY—M. M. Marston, archt., Douglas Bldg., 1 story and basement, 50 x 50 ft., brick addition, South Maple Ave., to Houghton & Anderson, 143 Rose St., for Egyptian Lacquer Mfg. Co., 1142 South Maple St. Noted Aug. 25.

**Calif., Los Angeles**—FACTORY—Firestone Tire & Rubber Co., 1165 South Figueroa St., will build probably 7 buildings, main one being 1 and part 3 story, 360 x 456 ft., rein.-con., Alameda St. and Manchester Ave. near South Gate. $7,000,000. Work will be done by segregated contracts under supervision Curlett & Beelman, archts., 1020 Union Bank Bldg. Contract for boiler and power plant recently awarded to Stone & Webster, 147 Milk St., Boston, Mass. Noted Aug. 11.

**Que., Gatineau** — MILL — International Fibre Board Ltd., 1 story, 1,300 ft. long, rein.-con. and brick, concrete foundation, on International Paper Co. property, to Fraser Brace Constr. Co., 83 Craig St. W., Montreal. Engrs. total est. $2,000,000. Noted Oct. 6.

**Ont., Kapuskasing**—PAPER MILL and POWER PLANT—Spruce Falls Power & Paper Co., J. H. Black, genl. mgr., paper mill and power plant, to Morrow & Beatey, Peterboro. Engrs. est. $5,000,000. Noted Feb. 18.

**Ont., Toronto** — FACTORY — Willys-Overland Ltd Weston Rd., general contract 1 and 2 story and basement, 67 x 200 ft., rein.-con., brick and steel addition, plain foundation, to W. H. Yates Constr. Co., 95 King St. E. Archts. est. $175,000. Noted Sept. 22.

**Ont., Toronto**—PAPERBOARD PLANT—Dominion Boxboards Ltd., 130 Duchess St., general contract 1 story, concrete, brick and steel plant, machine room, beater room, power plant, etc., Cherry St., to Toms Contg. Co., 245 St. Clair Ave. E.; piling, to Russell Constr. Co., Harbor Comn. Bldg. Engrs. est. $1,000,000. Noted Sept. 22.

# Buildings—Educational, Religious

## *Proposed Work*

**Mass., Boston**—SCHOOL—City, Schoolhouse Dept., having plans prepared by J. Driscoll, 10 Tremont St., Boston, 6 story and basement, 60 x 115 ft., brick, steel and limestone, continuation school plain foundation, Warrenton and Common St. $600,000.

**Mass., Somerville**—SCHOOL—City, L. M. Conwell, mayor, takes bids about Oct. 20, altering and constructing 2 and 3 story and basement, 75 x 165 ft. and 80 x 175 ft., brick and stone addition, plain foundation, incl. central heating plant, Highland Ave. $1,250,000. F. I. Cooper Corp., 172 Tremont St., Boston, archts.

**Mass., Weston** — ADMINISTRATION — Sisters of St. Joseph, M. Domitilla, 618 Cambridge St., Brighton, having plans prepared by T. E. Sheehan, 120 Boulston St., Boston, 4 story and basement, brick, foundation, here, for St. Regis College. $150,000 or more.

**R. I., Providence** — CHURCH and COMMUNITY CENTER—Tabernacle Methodist Church, G. D. Stanley, master, soon lets contract, 2 story and basement, 55 x 100 ft., brick, steel and stone, plain foundation, Plainfield St. $150,000. G. Henshaw, 87 Weybosset St., archt.

**Conn., Bloomfield**—SCHOOL—Town, c/o L. A. Tobie, chn. building comn., having plans prepared by W. P. Crabtree & Son, 410 Asylum St., Hartford, 2 story and basement, brick and steel, incl. auditorium gymnasium, domestic science and manual training departments. $150,000. Noted Dec. 6.

**Conn., Hartford** — SYNAGOGUE — Congregation Ados Israel, c/o S. Kaplan, 71 Fern St., plans new synagogue, Blue Hills Ave. $200,000. Engineer and architect not selected.

**N. Y., New Rochelle** — CHURCH — First Presbyterian Church, 34 Pintard Ave., having plans prepared by John Russell Pope, 542 5th Ave., New York City, brick church. $300,000.

**N. Y., New York**—SCHOOL—Children's University, 10 West 72nd St., having plans prepared by R. H. Davis, Jr., 350 Madison Ave., 9 story and basement, brick and steel, plain foundation, 114 East 89th St.

**N. Y., Rome**—SCHOOL—Bd. Educ. having plans prepared by F. W. Kirkland, 202 West Dominick St., and H. G. Rice, associated archt., 135 Dominick St., and takes bids in November, 3 story, 100 x 150 ft. school, North and Ann Sts. $170,000.

**N. J., Cresskill**—SCHOOL—Bd. Educ. having sketches made by Hacker & Hacker, Fort Lee Trust Bldg., Main St., Fort Lee, 2 story and basement, brick and steel, plain foundation. $450,000.

**N. J., Caldwell**—SCHOOL—Bd. Educ., Boro Hall, Roseland Ave., plans 2 story and basement, brick and steel, plain foundation. $150,000. Engineer and architect not selected.

**N. J., North Haledon** (mail Paterson)—SCHOOL—Bd. Educ. soon takes bids general contract 2 story and basement, brick and steel, plain foundation. $150,000. Lee & Hewitt, 152 Market St., Paterson, archts. Noted Sept. 8.

**N. J., North Haledon** (mail Paterson)—ORPHANAGE—J. Bellomo, archt., 6 Park Ave., Paterson, soon takes bids general contract 3 story and basement, 60 x 125 ft., brick and steel, plain foundation, Belmont Ave., here, for Sisters Order Daughters of Mary, Help of Christians, 41 Ward St., Paterson. $150,000. Noted July 21.

**N. J., Union** — SCHOOL — Bd. Educ., Town Hall, having sketches made by F. A. Elsasser, 845 Broad St., Newark, 2 story and basement, brick and steel, plain foundation, Washington Ave. and Chestnut St. $200,000.

**Del., Dover** — COLLEGE — Delaware School Auxiliary (A. Tayler in charge), Dupont Bldg., Wilmington, having plans prepared by Guilbert & Betelle, 20 Branford Pl., Newark, N. J., state college for colored pupils, brick and steel, plain foundation, here. $150,000.

**Del., Millsboro** — SCHOOL — Delaware School Auxiliary, (A. Taylor in charge), Dupont Bldg., Wilmington, having plans prepared by Guilbert & Betelle, 20 Branford Pl., Newark, N. J., 2 story and basement, brick and steel, plain foundation, here. $150,000.

**Va., Richmond**—DORMITORY—University of Richmond having plans prepared by C. M. Robinson, Times Dispatch Bldg., dormitory, etc., on campus. $500,000.

**Va. Roanoke** — SCHOOLS — Bd. Educ. plans expending $750,000, school buildings and additions, also Junior High School addition. C. M. Robinson, Times Dispatch Bldg., Richmond, archt.

**Ga., Augusta** — NURSES HOME — City, c/o J. W. Westmoreland, had plans prepared by Scroggs & Erwing, 608 S. F. C. Bldg., 3 story nurses home. $175,000.

**La., Lake Charles**—CHURCH—Broad Street Methodist Church, R. H. Wynn, pastor, rejected bids Sept. 1, 3 story, rein.-con., brick, stone and steel, Broad and Kirkman Sts. $150,000. R. S. Cook, Lake Charles, and Asmus & Clark, Nashville Trust Bldg., Nashville, Tenn., archts. Noted Sept. 22.

**Tenn., Normal**—SCHOOL—State, c/o Bd. Educ., having preliminary plans prepared by G Mahan, Jr., Citizens Savings Bank Bldg., Nashville, school. $200,000.

**O., Cincinnati**—CHURCH—W. C. Jones, archt., 19 South La Salle St., Chicago, Ill., soon lets contract 3 story and basement, 100 x 107 ft., brick and rein.-con., plain foundation, Calhoun St., for 3rd Evangelical Protestant Church, 829 Walnut St. $200,000.

**O., Cleveland Heights** (Warrensville P. O.)—CHURCH—St. Anns Roman Catholic Church, J. M. Powers, pastor, 2115 Coventry Rd., having plans prepared by Walker & Weeks, 2341 Carnegie Ave., Cleveland, 1 story, steel and limestone, Coventry and Cedar Rds. $400,000.

**O., Cleveland Heights** (Warrensville P.O.)—CHURCH and SUNDAY SCHOOL—Cleveland Heights Presbyterian Church, J. M. Blackwood, pastor, 3272 Tullamore Rd., having plans prepared 1 and 3 story, 80 x 156 ft., steel and limestone. Washington Blvd. $300,000. Private plans.

**O., Kenmore**—SCHOOL—Bd. Educ. takes bids in spring 2 story and basement, brick, steel and concrete school. $160,000.

**O., Norwood** (Ind. br. Cincinnati)—SCHOOL—Sisters of Precious Blood, 3518 Montgomery Rd., having plans prepared by Crowe & Schulte, 2436 Reading Rd., Cincinnati, 3 story and basement, brick and rein.-con. plain foundation, Fenwick St. $550,000.

**Ind., Hobart**—SCHOOL—School Trustees had plans prepared by Wainwright & Vaughn, 1st Natl. Bank Bldg., Hammond, 2 story and basement, 66 x 200 ft. with two 42 x 91 ft. wings, brick, steel and stone school. $200,000.

**Ind., Mishawaka** — SCHOOL — School Comrs., P. C. Emmons, supt., 1202 Lincoln Way, having preliminary plans prepared Grade and Junior High School, 2 story and basement, rein.-con., brick and steel, Lincoln Way. $200,000. Engineer and architect not selected.

**Mich., Oxford** — HIGH SCHOOL — Bd. Educ. having plans prepared by Cowles & Mutcheller, 114 North Washington St., Saginaw, 2 story and basement, rein.-con., brick and steel, plain foundation. $150,000.

**Ill., Belleville** — SCHOOL — Bd. Educ. having preliminary plans prepared 3 story and basement, rein.-con., brick and stone, Stolberg Pl. $275,000.

**Ill., Chicago**—OFFICE and LIBRARY—Bd. Educ., 650 South Clark St., J. L. Coath,

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Buildings—Educational, Religious (Cont.)

pres., plans 24 story office and library building, Washington and Michigan Blvds. $10,000,000.

**Ia., Des Moines** — CHURCH — United Presbyterian Church having plans prepared by J. H. Felt & Co., 300 West 47th St., Kansas City, Mo., 2 story and basement, L shaped, rein.-con., brick and stone, plain foundation, Beaver Ave. $150,000.

**Minn., New Ulm** — COLLEGE — Martin Luther College takes bids in spring superstructure 2 story and basement, rein.-con., brick and stone college. $300,000. Foundation for same, awarded to Standard Constr. Co., 1111 Plymouth Bldg., Minneapolis, approximately $25,000. Toltz, King & Day, Builders Exch. Bldg., St. Paul, archts.

**Kan., Hays**—SCIENCE HALL—Kansas State Teachers College having plans prepared by C. D. Cuthbert, State House, Topeka, 3 story and basement, 51 x 210 ft., and 81 x 105 ft., stone science hall. $160,000. Noted Apr. 28.

**S. D., Vermillion** — GYMNASIUM, etc. — University of South Dakota having plans prepared by Hugill & Blatherwick, 367 Boyce-Greeley Bldg., Sioux Falls, 135 x 216 ft. gymnasium, armory, swimming pool, etc. $250,000. J. Berg, Pierre, state engr.

**Mo., Columbia** — DORMITORIES — Stephens College plans 2 dormitories. $500,000.

**Okla., Oklahoma City**—COLLEGE—Oklahoma City College, R. T. Stuart, chn., having preliminary plans prepared Fine Arts Building, rein.-con. and brick, 24th St. $150,000.

**Ariz., Phoenix** — COLLEGE — Jesuit Fathers (William Brophy Memorial College), c/o Beezer Bros., archts., 580 Market St., San Francisco, Calif., takes bids about Nov. 1, three 2 story, rein.-con. and stucco buildings, here. $250,000.

**Wash., Seattle**—LABORATORY—Bd. of Regents University of Washington, takes bids about Jan. 1, 4 story and basement, 65 x 144 x 214 ft., rein.-con., brick and steel physics laboratory, on campus. $460,000. J. Graham, Dexter Horton Bldg., archt. Noted Oct. 6.

**Calif., Berkeley** — DORMITORY — University of California having plans prepared by G. W. Kelham, 315 Montgomery St., San Francisco, International Dormitory, fireproof, Piedmont Ave. and Bancroft Way. $1,750,000.

**Calif., Glendale** — SCHOOL — Glendale Union High School Dist., having plans prepared by G. M. Lindsey & E. P. Elden, associated archts., Union Insurance Bldg., 3 story rein.-con., incl. classroom, shop, etc. To exceed $185,000.

**Calif., Oakland**—HIGH SCHOOL—School Dist. plans fireproof, Foothill Blvd. and 85th Ave. $500,000. Miller & Warnecke, Actico Bldg., archts.

**Ont., Hamilton** — CHURCH — Charlton Westmount United Church, W. H. Wardrope, chn. building com., Charlton Apartments, having plans prepared by J. G. Morton, Hamilton, brick, steel and stone, Locke St. $250,000.

**Ont., London**—LIBRARY—City Council, J. M. Moore, mayor, City Hall, plans new library, Queens Ave. $250,000. Engineer and architect not selected.

**Ont., Port Arthur**—TECHNICAL SCHOOL—Bd. Educ. having plans prepared by C. D. Howe & Co., Whalen Bldg., 3 story and basement, brick, steel and stone, concrete foundation. $300,000.

**Ont., Sarnia**—SCHOOL—Council having plans prepared by C. C. Woods, Imperial Bldg., 2 story, 20 room, fireproof construction, East Sarnia, $150,000.

**Ont., Windsor** — SCHOOL — Bd. Educ. having plans prepared by Pennington & Boyde, Bartlett Bldg., 2 story and basement, 12 room, brick, steel and stone, concrete foundation, $175,000.

## *Bids Desired*

**Mass., North Adams** — CHURCH — Methodist Episcopal Church, c/o Woodbury & Stuart, archts., 581 Boylston St., Boston, taking bids 1 story and basement, brick and stone, plain foundation, Main St. $150,000.

**Mass., North Adams** — CHURCH — Oct. 31, by Methodist Episcopal Church, C. T. Phelps, chn. com., 1 story and basement, brick, steel and stone, Main St. $150,000. Woodbury & Stuart, 581 Boylston St., Boston, archts. Noted May 12.

**R. I., Providence**—CONVENT—Oct. 31, by St. Xavier Academy, c/o M. Mathieu, 2 story and basement, brick, steel and stone, Pine and Broad Sts. $150,000. A. J. Murphy, 146 Westminster St., archt.

**Conn., East Haven** (br. New Haven)—LIBRARY—Oct. 31, by Hagaman Memorial Library, 2 story and basement, 70 x 120 ft., brick, tile, stone and steel, Main St. $150,000. Davis & Walldorf, 70 College St., New Haven, archts.

**Conn., Storrs** — LABORATORY and CLASSROOM—Nov. 1 (extended date), by D. K. Perry & E. E. Bishop, archts., 17 Court St., New Britain, 3 story and basement, 60 x 110 ft., and 60 x 225 ft., brick and limestone, plain foundation, here, at State Agricultural College. $300,000. Noted Oct. 13.

**N. Y., New York**—SCHOOL—Nov. 15, by W. H. Gompert, supt. School Buildings, Flatbush Ave. extension and Concord St., Brooklyn, general contract P. S. 40, East 19th St. near 2nd Ave., here, for Bd. Educ., 500 Park Ave.

**N. Y., Yonkers**—CHURCH—Nov. 1, by St. Pauls Episcopal Church, c/o Cram & Ferguson, archts., 248 Boylston St., Boston, Mass., 1 story and basement church, here. To exceed $150,000. Noted Mar. 3.

**Md., Baltimore**—MEDICAL LIBRARY—Nov. 10, by E. L. Tilton, archt., 141 East 45th St., New York City, 3 story and basement, 76 x 156 ft., rein.-con., brick and limestone, Wolfe and Monument Sts., here, for Johns Hopkins University, Wolfe and Monument Sts. $450,000. Noted Apr. 7.

**W. Va., Morgantown** — CHURCH and SUNDAY SCHOOL — Davis, Dunlap & Barney, archts., Walnut St., Phila., Pa., taking bids 1 and 2 story and basement, irregular shaped church and Sunday school, here, for First Baptist Congregation. $150,000.

**O., Berea**—DORMITORY—Baldwin-Wallace College, A. B. Storms, pres., taking bids and open same about Nov. 1, 3 story and basement, brick, steel and concrete dormitory. $200,000. W. Watson & associates, 4614 Prospect Ave., Cleveland, engrs. and archts.

**Minn., Minneapolis**—SCHOOL—Nov. 4, by Bd. Educ., 305 City Hall, 2 story and basement, 150 x 260 ft., rein.-con., brick and Bedford stone, East 53rd St. and 29th Ave. S. $225,000. Depts. Engineers and Architects, 245 9th Ave. N., engrs. and archts.

## *Bids Received*

**N. Y., Amenia**—SCHOOL—Commissioner Mental Hygiene, Dept. Mental Hygiene, Albany, Oct. 19, general contract 23 buildings at Wassaic State School, here, from Seglin-Harrison Constr. Co., Inc., 615 Walbridge Bldg., Buffalo, $2,359,220. Noted Sept. 15.

## *Contracts Awarded*

**Mass., Attleboro**—CHURCH—St. Joseph's Roman Catholic Church, A. Berube, pastor, 208 South Main St., 1 story and basement, brick and stone, plain foundation, South Main and Maple Sts., to L. Bolduc & Sons, 579 Middle St., Fall River. Archts. est. $150,000.

**Mass., West Roxbury** (Sta. Boston) — SCHOOL — *City of Boston, Schoolhouse Dept.*, 2 story and basement, brick, granite and limestone, plain foundation, Robert Gould Shaw Dist., here, to Matthew Cummings Co., 43 Tremont St., Boston. Archts. est. $220,000.

**Mass. Worcester**—CHURCH—Our Lady of Mt. Carmel Parish, G. Maffie, pastor, 1 story and basement brick and stone, plain foundation, Mulbury St., to J. P. Keating, 80 Boylston St., Boston. Archts. est. $160,000. Noted Sept. 15.

**Conn., West Hartford** (br. Hartford)—SCHOOL—B. I. Miller, town mgr., for Elmwood Grammer School, 2 story and basement, brick, New Britain Ave. and Quaker Lane, to A. F. Peaselee, 15 Lewis St., Hartford, $172,083; heating and plumbing, to T. G. Shaffer, 52 South Main St., West Hartford, $29,200. Noted Sept. 29.

**N. J., Fort Lee** — HIGH SCHOOL — Bd. Educ., Municipal Bldg., general contract 2 and 3 story, brick and steel, plain foundation, Lemoine Ave., to F. and C. Haerter, 769 Dewey St., West New York. $449,860. Noted Sept. 22.

**N. J., Jersey City** — LIBRARY — Pub. Library, 472 Jersey Ave., general contract 3 story and basement, brick and steel, plain foundation, Jersey Ave., Montgomery and Mercer Pls., to W. Robertson & Son, 15 Exchange Pl. Archts. est. $200,000.

**N. J., Newark** — SUNDAY SCHOOL — Kilburn Memorial Presbyterian Church, 962 South Orange Ave., general contract 2 story and basement, 125 x 130 ft., brick and steel addition, plain foundation, Norwood St. and South Orange Ave., to Fatzler Co., 676 South 16th St. Archts. est. $150,000.

**N. J., New Brunswick**—SCHOOL—Bd. Educ., Livingston Ave., general contract 2 story and basement, 55 x 130 ft., brick and steel, plain foundation, Stone St., to J. L. Snitzler Raritan Ave., Highland Park, $111,887. Noted Sept. 29.

**N. J. Montclair**—SCHOOL—Church of Immaculate Conception, E. M. Farrell, pastor, 51 North Fullerton St., general contract 3 story and basement, 106 x 115 ft., brick and steel, plain foundation, 24-26 Conover Pl., to D. W. McGee Constr. Co., 142 1st St., Newark. Archts. est. $225,000.

**N. J., Weehawken**—SCHOOL—Bd. Educ., general contract Roosevelt School, to F. and C. Haerter, 769 Dewey Ave., West New York, $259,000; iron work, to Selbach-Meyer Co., 601 22nd St., West New York, $32,976. Noted Sept. 29.

**Pa., Carlisle**—GYMNASIUM—Dickinson College, 110 x 140 ft. rein.-con., brick and steel gymnasium, incl. 27 x 75 ft. swimming pool, etc., plain foundation, here, to H. Lackey, Carlisle, approximately $200,000. Noted Sept. 22.

**Va., Harrisonburg** — HIGH SCHOOL — Bd. Educ. (1st unit), 3 story, 150 x 150 ft., concrete, stone, brick, steel and terrazo, to Harrisonburg Building & Supply Co., Harrisonburg, $196,000. Total $500,000.

**Ala., Birmingham** — SCHOOLS — Bd. Educ., to M. C. Banks Constr. Co., 2501 1st Ave., general contract Gibson School, 3 story, 50 x 100 ft. $76,811, Barrett School, 50 x 150 ft., at East Lake $46,500, Jackson School, 50 x 100 ft. $51,330, and Norwood School 50 x 75 ft. $30,707, all foregoing 2 story, brick additions; to J. F. Holley, Constr. Co., 817-19th St., 2 story, 50 x 100 ft., brick addition to Avondale St. $74,751; and to T. Purcis, Amer. Trust Bldg., 2 story, 25 x 100 ft., brick addition to Lee School, $43,600. Grand total $323,699. Noted Apr. 21.

**O., New Concord**—SCIENCE HALL—Muskingum College, 2 story and basement, brick, stone and concrete, to E. Mast & Son, Zanesville, approximately $165,000.

**Mich., Birmingham**—SCHOOL and CONVENT—Holy Name Parish, 300 Harmon Ave., 2 story and basement, 8 room, rein.-con., brick and steel, plain foundation, Harmon Ave., to Hazleton & Clark Co., Book Bldg., Detroit. Archts. est. $150,000.

**Wis., Green Bay** — NURSES SCHOOL and HOSPITAL — Schmidt, Garden & Erickson, archts., 104 South Michigan Ave., Chicago, Ill., general contract entrance addition to nurses school and hospital, here, to Hutter Constr. Co., Fond du Lac, for St. Marys Hospital. Archts. est. $200,000.

**Kan., Lindsborg** — MUSIC HALL and CONSERVATORY—Bethany Lodge, 1 and 2 story and basement, 118 x 188 ft., rein.-con., brick and stone, to Swenson Constr. Co., Shubert Bldg., Kansas City, Mo. Archts. est. $200,000.

**Calif., Berkeley** — DORMITORY — University of California, for Bowles Dormitory, on campus, to P. J. Walker Co., Sharon Bldg., San Francisco, $350,000 cost plus percentage basis. Noted Sept. 8.

**Calif., Mountain View** — SCHOOL — Mt. View Grammar School Dist., 2 story, rein.-con., to L. Diaguardi, 30 West Poplar Ave., San Mateo, $147,654. Noted Oct. 20.

**Calif., San Francisco** — SCHOOL — Bd. Pub. Wks., general contract fireproof annex, Folsom and Tompkins Sts., to F. J. Reilly, 6350 Fulton St., for City and San Francisco Co. $135,720. Noted Sept. 22.

# Federal Government Work

## *Proposed Work*

**Alaska**—Roads, etc.—U. S. Dept. Agriculture, Wash., D. C., plans reconstructing Glacier Highway, $11,500; and bridges on Kenai Lake Highway, $23,500.

**T. H., Hilo**—Main—Spec. 5446—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans water main at Naval Radio Station, here.

## *Bids Desired*

**Conn., New London**—Repairing Wharf—Nov. 11, by Constructing Quartermaster, Fort H. G. Wright, N. Y., repairing wharf, foot John St., here.

**N. Y., New York**—Roof—Spec. 5465—Nov. 9, by Bureau Yards & Docks, Navy Dept., Wash. D. C., awning roof at Naval Hospital, here. L. E. Gregory, ch. of Bureau; adv E. N.-R. Oct. 27.

**D. C., Wash.**—Excavating—Nov. 3, by Treas. Dept. at office Supervising Archt., excavating for Internal Revenue and Commerce Buildings. Noted Aug. 5, 1926, and Feb. 17.

**N. C., Belhaven**—Bridge—Nov. 12, by U. S. Engineer Office, Norfolk, Va., constructing single track steel swing railway bridge at proposed crossing of New Holland, Higginsport & Mount Vernon R.R.

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Federal Government Work (Continued)

...Inland Waterway from Norfolk, Va. to Beaufort Inlet, N. C., about 12 mi. east of here; adv. E. N.-R. Oct. 27.

**Wash., Puget Sound**—Motor Generator Sets—Spec. 5447—Nov. 2 (extended date), by Bureau Yards & Docks, Navy Dept., Wash., D. C., motor generator sets at Navy Yard, here. Noted Oct. 13.

## Bids Received

**Va., Norfolk**—Dredging—U. S. Engineer Office, dredging 2,000,000 cu.yd. in southern and eastern branches Elizabeth River, Norfolk Harbor, here, from Atlantic, Gulf & Pacific Dredging Co., 13 Park Row, New York City, at $0.1789 per cu.yd.

**Ky., Louisville**—Beartrap Leaves—U. S. Engineer Office, P. O. Box 27, Oct. 14, fabricating and erecting beartrap leaves for Dam 52, Ohio River, here, from Nashville Bridge Co., foot Shelby Ave., Nashville, Tenn., $84,970. Noted Sept. 29.

**O., Akron**—Post Office—Treas. Dept., at office Supervising Archt., Wash., D. C., Oct. 19, U. S. Post Office, here, from A. Blair, 11 South Lawrence St., Montgomery, Ala., $449,254. Noted Supt. 22.

**Washington**—Clearing Site—Bureau Reclamation, Denver, Colo., Oct. 10, clearing 221 acre site above proposed diversion dam, for main canal of Kittitas Division, Yakima Project, here, from General Constr. Co., Colman Bldg., Seattle, $36,925.

## Contracts Awarded

**N. Y., St. George**—J. A. Lynch, pres. Richmond Boro, Boro Hall, concrete repaving portions Broad and Gordon Sts., to J. E. Donovan, 2205 Richmond Terrace, Port Richmond, $18,280; Quinlan and Victory Blvds., to Vanbro Constr. Co., 24 Elizabeth St., West New Brighton, $8,483; and concrete curbing, etc., Victory Blvd., to R. Laurin, $5,677. Grand total $32,440. Noted Sept. 29.

**Md., Camp Mead**—Barracks—Constructing Quartermaster, Oct. 19, 3 barracks buildings, here, to Palmer Spiney, Elizabeth Ave., Charlotte, N. C. $370,950. Noted Sept. 29.

**N. C., Wilson**—Post Office—Treas. Dept., at office Supervising Archt., Wash., D. C., U. S. Post Office, here, to C. Weitz Sons, 713 Mulberry St., Des Moines, Ia., $171,256. Noted Oct. 20.

# Unclassified

## Proposed Work

**Grade Crossing Elimination—New York**—New York Central R.R. Co., 466 Lexington Ave., New York City, J. B. Freeman, ch. engr., making plans eliminating grade crossings at Austin and Amherst Sts., Buffalo, $3,000,000; on Fort Hunter Rd., Tribes Hill, $115,000; and on St. Regis Rd., Clear Lake Junction, $100,000.

**Dock—Albany, N. Y.**—Albany Dist. Port Comn. soon takes bids 712 ft. oil dock, adjoining south end Port of Albany dock, at Westerlo Island. $90,000. E. P. Goodrich, port engr.

**Elimination Grade Crossing—Coxsackie, N. Y.** — Pub. Serv. Comn., Albany, plans eliminating Mansion St. grade crossing, of the West Shore R.R., here. $137,000.

**Exit Facilities and Fire Stops—Ogdensburg, N. Y.**—Dept. Mental Hygiene, Albany, takes bids in December exit facilities and fire stops at St. Lawrence Hospital, here. S. W. Jones, Capitol, Albany, state archt.

**Swimming Pool — Elizabeth, N. J.** — Bd. Recreation Comrs., City Hall, making plans concrete swimming pool, bath houses and filtration plant at Elizabeth River, west of Morris Ave. $55,000. W. L. Finne, 91 Broad St., archt.

**Boardwalk — Ocean City, N. J.** — City Comn. plans boardwalk from 6th to 13th Sts. $350,000.

**Hydro-Electric Project—Safe Harbor, Pa.**—Pennsylvania Water & Power Co., 40 Wall St., New York City, making tentative plans hydro-electric project, incl. dam, hydro-electric plant, etc., on Susquehanna, here. $30,000,000.

**Golf Course, Riding Stables, etc.—New Market, Va.** — See "Buildings — Commercial."

**Subway—Hattiesburg, Miss.**—City making preliminary plans rein.-con. subway under Southern Ry. tracks in business district. $100,000. H. S. Pickernell, City Hall, engr.

**Transfer Station — Detroit, Mich.** — See "Buildings-Industrial."

**Stadium—Little Rock, Ark.**—City making preliminary plans rein.-con. stadium, Kavanaugh Field. $100,000.

**Air Port Development—Pine Bluff, Ark.**—Defeated $75,000 bonds, development air field, incl. grading, drainage, constructing hangars, etc.

**Pipe Line—Texas and Colorado**—Prairie Oil & Gas Co. (subsidiary Standard Oil Co. of New Jersey, 26 Bway., New York City), plans 365 mi. 20 or 22 in. pipe line from Amarillo, Tex., to Denver, Colo. $45,000-$55,000 per mile.

**Gas Pipe Line—Texas**—Dixie Gas & Utilities Co., Galveston, making plans approximately 80 mi. gas pipe line between Tyler, Palestine, Jacksonville and Rusk. $300,000. Private plans.

**Land Development—San Antonio, Tex.**—H. E. Dickinson, c/o Central Trust Bldg., made plans developing 360 acre plot for high-class sub-division north side of here, incl. grading, paving, incl. 100 ft. paved drives, $100,000; boulevard lighting system (equipment) $20,000; water distributing system, $40,000; and sewerage system, $50,000. Private plans.

**Transmission Line—Oklahoma**—City of Lambert voted $25,000 bonds, 12 mi. 13,200 volt transmission line from Lambert to Cherokee, and distribution system in Lambert. Engineer not announced.

**Transmission Line—Oklahoma**—City of Strong voted $25,000 bonds, 14 mi. 13,200 volt transmission line from Hammon, and distribution system in Strong. H. V. Jobe, Strong city clk. Engineer not selected.

**Underpass — Tulsa, Okla.** — City, H. F. Newblock, mayor, and Midland Valley R.R. Co., Muskogee, C. Kaighn, ch. engr., making preliminary plans rein.-con. underpass at intersection East 6th St. and Midland Valley R.R. tracks. $175,000.

**Port Development — Seattle, Wash.** — Comrs. Port Seattle making plans developing Skinner and Eddy Shipyard 2 site. $6,000,000. J. R. West, Seattle, engr.

**Lighting System — Huntington Beach, Calif.**—C. R. Furr, city clk., rejected bids Sept. 6, ornamental lighting system on Main St. Noted Aug. 25.

**Asphalt Paving Plant—Oakland, Calif.**—W. H. Parker, city comr. of streets, plans municipal asphalt paving plant, here. G. N. Randle, city engr.

**Culverts—Ventura, Calif.**—Ventura Co. plans concrete culverts on Berylwood Rd. $25,000. C. Petit, Ventura, co. surv.

## Bids Desired

**Gymnasium—Charleston, Me.**—See "Contracts Awarded."

**Culverts—New York**—Nov. 1, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, 4 rein.-con. culverts along line of Conduit Blvd., Queens Co.

**Athletic Field, etc.—Brooklyn, N. Y.**—Nov. 1, by W. H. Gompert, supt. School Buildings, Flatbush Ave. extension and Concord St., general contract athletic field and grandstand, at Boys High School, Maple Ave. from Troy to Schenectady Aves., for Bd. Educ., 500 Park Ave., New York City.

**Bath House—Mount Vernon, N. Y.**—Nov. 9, by Westchester Co. Park Comn., 72 West Pondfield Rd., Bronxville, constructing bath house at Wilson Woods Park, Contr. 142; plumbing for same, Contr. 142-P, here. J. Downer, ch. engr.; adv. E. N.-R. Oct. 27.

**Dock Wall—Troy, N. Y.**—Nov. 16, by Harbor & Dock Comn., City Hall, constructing 1,100 ft. dock wall along river front from lands of Ludlow Valve Co. to Madison St. J. Flynn, Jr., engr.; adv. E. N.-R. Oct. 27.

**Storage Sheds—Waterford, N. Y.**—Nov. 4, by A. W. Brandt, comr. Highways, Albany, storage sheds, here.

**Tanks, etc.—Bayonne, N. J.**—See "Contracts Awarded."

**Municipal Pier Building — Bradenton, Fla.**—Nov. 15, by City Council, municipal pier building. E. W. Darling, Jr., archt.; adv. E. N.-R. Oct. 27.

## Contracts Awarded

**Gymnasium — Charleston, Me.**—Higgins Classical Institute, Charleston, will build 2 story, 60 x 100 ft., steel and brick gymnasium, by day labor. $25,000. V. Hodkins, 39 Hammond St., Bangor, archt.

**Culvert—Malden** (br. Boston), **Mass.**—Concrete culvert on Main St., to Coleman Bros., Inc., 245 State St., Boston, $42,000.

**Plumbing — New York, N. Y.** — Bd. Trustees Bellevue & Allied Hospitals, J. J. McGrath, pres., 415 East 26th St., plumbing work for additions and alterations to Fordham Hospital, Southern Blvd. and Crotona Park, to S. L. Snyder Co., 260 West 41st St., $146,500.

**Tanks, etc.—Bayonne, N. J.**—Gulf Refining Co., foot East 5th St., will build 6 steel tanks, refining still, and equipment, foot Oak St. and Ingham Ave., here. $76,500. Work will be done by separate contracts. Private plans.

**Grade Crossing Elimination—Glen Rock** (br. Ridgewood), **N. J.** — Erie R.R. Co., R. C. Falconer, ch. engr., 50 Church St., New York City, eliminating grade crossing at Maple Ave., here, to Parker & Graham, 5 Colt St., Paterson. Engrs. est. $150,000.

**Swimming Pool — Carlisle, Pa.** — See "Buildings—Educational, Religious."

**Lighting System — Chicago, Ill.** — City, Room 406, City Hall, entire electrical equipment for double leaf trunnion bascule bridge over South Branch Chicago River, on West Roosevelt Rd., to Norwood-Noonan Co., 450 West Superior St., $43,650.

**Foundation, etc.—New Ulm, Minn.**—See "Buildings—Educational, Religious" under Proposed Work.

**Grain Elevator—Lubbock, Tex.**—J. C. Whaley Interests plans 20 x 36 ft. grain elevator, 176 ft. high, incl. facilities for loading, dumping etc., to Jones Hettesater Constr. Co., c/o Mutual Bldg., Kansas City, Mo. approximately $150,000.

**Pier Shed—Oakland, Calif.**—Port Comn., Grove St. pier, 1 story, steel and concrete, to Clinton Constr. Co., 37th Ave. and Alameda St., $187,340.

**Wharf — St. Simon, N. B.** — Dominion Govt., Ottawa, Ont., new wharf, to John McManus Co., Ltd., Memramcook, $25,245.

**Wharf — Doucets Landing, Que.** — Dominion Govt., Ottawa, Ont., new wharf, to Farley & Grant, Bank Material Bldg., Rideau St., Ottawa, Ont., $120,000.

**Wharf—Sorel, Que.**—Dominion Govt., Ottawa, Ont., reconstructing wharf, here, to Jackson Constr. Co., Ltd., Sorel, $29,500.

**Grain Elevator—Vancouver, B. C.**—Alberta Wheat Pool, Calgary, Alta., 2,500,000 bu. wheat terminal elevator, to I. W. Stewart, and Northern Constr. Co. Ltd., 736 Granville St., approximately $1,000,000. Noted Oct. 20.

**Tanks — Aruba, Dutch West Indies** — Angelo Mexicon Petroleum Co. Ltd. (Royal Dutch-Shell), 65 Bway., New York City, fabricating and erecting approximately 50 tanks, etc. at new refinery, here, to Chicago Bridge & Iron Wks., 37 West Van Buren St., Chicago, Ill.

# Materials

## Bids Desired

**Frogs, Crossings and Switches — Phila., Pa.**—Nov. 1, by C. E. Walsh, purch. agt. Pennsylvania R.R. Co., 15 North 32nd St., West Phila., frogs, crossings and switches, Contr. 120-1927.

**Frogs, Switches and Switchpoints — Phila., Pa.** — Nov. 4, by C. E. Walsh, purch. agt. Pennsylvania R.R. Co., 15 North 32nd St., West Phila., frogs, switches and switchpoints, Contr. 12-1927; and guard rails, Contr. 123-1927.

**Water Pipe—Chicago, Ill.**—Nov. 1, by City, Room 406, City Hall, 210 tons 24 in. c.i. water pipe at Pipe Yard B, 3150 South Sacramento Ave. R. W. Wolfe, comr. Dept. Pub. Wks.

**Lighting Posts and Cables—Forest City, Ark.**—G. Naylor, mayor and City Council in market 60 "White Way" lighting posts and 1,100 ft. double conductor cable.

**Lighting Posts and Cable—Bristow, Okla.**—Mayor and City Council in market 100 "White Way" posts and 2 mi. armored cable.

## Contracts Awarded

**Snow Fence and Steel Posts — South Dakota**—State Hy. Comn., Pierre, to Western Material Co., Sioux Falls, 10,000 ft. wood snow fence, f.o.b. to each Huron at $0.09 per ft., Mitchell $0.0956, Mobridge $0.101, Watertown $0.0952, and three thousand six hundred 7 ft. steel posts f.o.b. Aberdeen $0.3745; to Dennis Equipment Co., Sioux Falls, 10,000 ft. wood snow fence f.o.b. to Aberdeen $0.10, and Sioux Falls $0.085, and three thousand six hundred 7 ft. steel posts f.o.b. Mitchell $0.37, and Kadoka $0.40; also to N. J. Thompson Co., Sturgis, 10,000 ft. wood snow fence f.o.b. Pierre $0.0875, Kadoka $0.09, Rapid City $0.095, and Chamberlain $0.09.

**See proposal advertising on page 124**

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# UNIT PRICES

**On actual contracts gathered by field correspondents, also those sent in by readers**

## Grading for Chicago, Rock Island and Pacific Railway

Contract with Walter H. Dennison, dated July 2, 1926, for grading approximately 35 mi. of roadbed from Amarillo to Fritch, Tex., on the new Amarillo-Liberal Line.

| | |
|---|---|
| *For first 15 mi. north east of Amarillo—* | |
| Earth excav. wasted or hauled into embankment, per cu.yd. | $0.15 |
| Earth embankment borrowed or nauled from cuts, per cu.yd. | .15 |
| *For work beyond a point 15 mi. from Amarillo—* | |
| For medium heavy work such as was shown on profile for miles 15 to 20: | |
| Earth excav. wasted or hauled into embankment, per cu.yd. | $0.20 |
| Earth embankment borrowed or hauled from cuts, per cu.yd. | .1975 |
| Loose rock excav., per cu.yd. | .55 |
| Solid rock excav., per cu.yd. | .75 |
| *For what may be agreed upon as heavy work:* | |
| Earth excav. wasted or hauled into embankment, per cu.yd. | $0.225 |
| Earth embankment borrowed or hauled from cuts, per cu.yd. | .225 |
| Loose rock excav., per cu.yd. | .575 |
| Solid rock excav., per cu.yd. | .775 |
| (As indicated above, all cuts nauled into fills will be paid for on the two-way basis.) | |
| All above prices are based on a 500 ft. free haul, haul beyond 500 ft. will be paid for per 100 ft. per cu.yd. | .02 |
| Clearing, grubbing and any extra work that may be ordered in writing, will be paid for at actual cost, (including cost of liability and compensation insurance) plus | 10% |

*Engineering News-Record, Issue of October 27, 1927.*

## Pile Trestle for Chicago Rock Island and Pacific Railway

Contract with Austin Bridge Company, Dallas, Tex., dated March 7, 1927, for constructing pile trestle approximately 1,800 ft. long across the South Canadian River, near Fritch, Tex., on new Amarillo-Liberal Line.

| | |
|---|---|
| (a) Erection of structural steel, per ton of 2,000 lb. | $20.00 |
| Driving piling, measured in the leads, not including false bents, per lin.ft. | .32 |
| Framing and placing timber, per M ft., BM. | 16.00 |
| Laying railway track on bridge, per lin.ft. | .75 |
| (b) All other work not enumerated above shall be done on a force account basis, that is, actual cost of labor plus 15% for superintendence, use of tools and all machinery, and profit. | |

*Engineering News-Record, Issue of October 27, 1927.*

## Retaining Wall—Detroit, Mich.

Bids were opened by Department of Parks & Boulevards, 600 Marquette Bldg., for constructing concrete retaining wall on wood piling at Memorial Park and Detroit River, from (A) Candler Dock & Dredge Co., 8145 Medina Ave., (awarded contract); (B) A. J. Dupuis, 1210 Ford Bldg.; (C) American Construction Co., Marion Bldg., Cleveland, O. The unit bids are as follows:

| | A | B | C |
|---|---|---|---|
| 610 cu.yd. excavation | $1.00 | $1.00 | $2.25 |
| 83 M.b.m. timber | 100.00 / 150.00 / 120.00 | 230.00 | 294.00 |
| 15,505 lin.ft. wood piling | .67 | .60 | .93 |
| 43 M.b.m. wood sheet piling | 100.00 | 150.00 | 157.00 |
| 640 cu.yd. concrete | 16.00 | 25.00 | 17.25 |
| 7.8 ton reinf. steel | 90.00 | 120.00 | 104.00 |
| 5 ton miscellaneous iron | 160.00 | 160.00 | 300.00 |
| Coffer dam (lump sum) | 4,575.00 | ..... | ..... |
| 96 ft. 6-in. c. i. pipe | 2.00 | 3.00 | 3.75 |
| 82 ft. 6-in. terra cotta pipe | 1.00 | 1.00 | 2.10 |
| 470 ft. pipe guard rail | 3.00 | 3.50 | 2.50 |
| 112 ft. post and chain guard rail | 2.00 | 2.50 | 2.00 |
| Totals | $41,849 | $55,484 | $62,227 |

*Engineering News-Record, Issue of October 27, 1927.*

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## Grading for Chicago, Rock Island and Pacific Railway

Contract with Walter H. Dennison, dated February 10, 1927, for grading approximately 19½ mi. of roadbed for extension of Amarillo-Liberal Line from Fritch to Stinnett, Tex.

| | |
|---|---|
| PERMANENT LINE: | |
| Earth hauled from excav. into embankment, with extreme haul not to exceed 2 mi., per cu.yd. | $0.42½ |
| Solid rock hauled from excav. into embankment, with extreme haul not to exceed 2 mi, per cu.yd. | 1.00 |
| Earth excav. borrow or waste, with free haul of 500 feet, per cu.yd. | .20 |
| Loose rock excav., wasted, in connection with team work, per cu.yd. | .60 |
| Solid rock excav., wasted, in connection with team work, per cu.yd. | .80 |
| Steam shovel borrow at same price as steam shovel excav. | |
| Loose rock hauled into embankment in connection with team work | .80 |
| TEMPORARY LINE: | |
| All team work to be paid both ways as follows: | |
| Embankment, per cu.yd. | $0.20 |
| Excav.—earth, per cu.yd. | .20 |
| Excav.—loose rock, per cu.yd. | .60 |
| Excav.—solid rock, per cu.yd. | .80 |
| Loose and solid rock to be paid for in embankment as *earth*. | |
| CONCRETE BOX CULVERT: | |
| Excav.—earth, per cu.yd. | $0.75 |
| Excav.—loose rock, per cu.yd. | 1.40 |
| Excav.—solid rock, per cu.yd. | 2.50 |
| Concrete, mixing and placing, including forms, per cu.yd. | 6.00 |
| Reinforcing bars, cutting, bending and placing, per lb. | .01¼ |
| The railway company will furnish all material, contractor to unload same at its own expense, but railway company wil pay cost of hauling plus 10%. | |
| Clearing, grubbing and any extra work that may be ordered in writing will be paid for (including cost of liability and compensation insurance) at actual cost plus 10%. | |

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## Road—Wyoming

Bids were opened by State Highway Department, Cheyenne, Sept. 30, (lowest three) for grading, miscellaneous work and construction of three timber bridges on 11.372 mi. of Kemmerer-Cokeville Road, Lincoln County, Federal Aid Project No. 193-B, from (A) Taggart Construction Co., Cody, (awarded contract); (B) Moneghan-Cunningham Construction Co., Denver, Colo.; (C) Wasatch Grading Co., Provo City, Utah. The unit bids are as follows:

| | A | B | C |
|---|---|---|---|
| 123,200 cu.yd. roadway excav. and emb., earth | $0.295 | $0.265 | $0.27 |
| 1,100 cu.yd. roadway excav. and emb., loose rock | .29 | .65 | .55 |
| 800 cu.yd. roadway excav. and emb., solid rock | .60 | 1.00 | 1.10 |
| 5,000 cu.yd. station overhaul | .04 | .05 | .04 |
| 792 lin.ft. timber piling driven | 1.10 | 1.00 | 1.40 |
| 88 lin.ft. timber piling cut off | 1.10 | 1.00 | 1.40 |
| 6 cu.yd. dry rubble masonry | 5.00 | 16.00 | 12.00 |
| 2,584 lin.ft. unloading, hauling and placing C.M.P. | .50 | .50 | .56 |
| 200 cu.yd. class B conc. endwalls | 28.50 | 28.00 | 25.00 |
| 26.3 M.ft.b.m. bridge lumber in place | 26.00 | 32.50 | 32.00 |
| 2,510 lb. bridge iron in place | .14 | .16 | .10 |
| 234 sq.yd. mastic wearing surface | 1.60 | 1.75 | 2.50 |
| 50,200 lin.ft. moving right of way fence | .02 | .06 | .06 |
| 25,800 lin.ft. new right of way fence | .04 | .05 | .08 |
| 582 lin.ft. relaying c. m. pipe | .40 | .50 | .50 |
| 728 lin.ft. removing c. m. pipe | .40 | .40 | .30 |
| Totals | $48,687 | $48,831 | $49,963 |

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**For additional construction costs read the Business Side of Construction each week**

**UNIT PRICES *Continued on page 224a***

# MARION

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# UNIT PRICES

## On actual contracts gathered by field correspondents, also those sent in by readers

### Bridge—Akron, Ohio

Bids were opened by Department of Public Service, Bureau of Highways, May 26 for constructing superstructure, paving and walks, of East Exchange Street Viaduct, between Broadway and Grant Street, Contract No. 4, from (A) Blair-Ferguson Co., Cleveland, (awarded contract); (B) Stevens Construction Co., Cleveland; (C) T. E. McShaffrey Construction Co., Cleveland; (D) Rust Engineering Co., Pittsburgh, Pa. The unit bids are as follows:

| | A | B | C | D |
|---|---|---|---|---|
| 120 cu.yd. excav. | $1.40 | $1.75 | $1.50 | $3.00 |
| 80,000 lb. reinf. steel | .0375 | .045 | .0475 | .06 |
| 990 lb. copper expansion joints | .75 | 1.45 | 1.20 | 1.45 |
| 95 cu.yd. class A conc. (railings) | 43.00 | 56.50 | 55.00 | 90.00 |
| 695 cu.yd. class B conc.—limestone agg. | 22.75 | 21.00 | 25.00 | 35.00 |
| 695 cu.yd. class B conc.—gravel agg. | 22.00 | 21.50 | 24.00 | 34.00 |
| 695 cu.yd. class B conc.—slag agg. | 22.25 | 20.50 | 24.00 | 34.08 |
| 5 cu.yd. class C conc.—limestone agg. | 15.00 | 13.50 | 22.00 | 35.00 |
| 5 cu.yd. class C concrete,—gravel agg. | 15.00 | 14.00 | 21.00 | 34.00 |
| 5 cu.yd. class C conc.—slag agg. | 15.00 | 13.00 | 21.00 | 34.00 |
| 977,000 lb. structural steel | .0404 | .055 | .0525 | .055 |
| 62,200 lb. iron castings | .055 | .066 | .055 | .07 |
| 80 lin.ft. 1¼ inch galvanized pipe railing | 3.00 | 2.53 | 2.25 | 2.25 |
| 13,500 sq.ft. waterproofing | .24 | .08 | .15 | .13 |
| 1,750 sq.ft. damp proofing | .045 | .07 | .05 | .06 |
| 4,400 sq.ft. gunite slabs | .63 | .75 | .78 | .65 |
| 40,000 sq.ft. gunite encasement | .39 | .51 | .49 | .57 |
| 1,750 sq.ft. gunite over blast plates | .63 | .75 | .50 | .60 |
| 900 lin.ft. water mains | 1.95 | 1.62 | 3.00 | 7.50 |
| 384 drilling anchor bolt holes and placing bolts | 5.00 | 1.15 | 3.00 | 2.50 |
| 1,570 lin.ft. rail guards | .75 | .58 | .52 | .60 |
| 2,000 cu.yd. grading | 1.50 | .46 | .80 | 1.50 |
| 1,100 lin.ft. underdrainage (4 in. pipe) | .25 | .25 | .10 | .25 |
| 200 lin.ft. inlet connections (12 in. pipe) | 2.50 | .74 | 1.00 | 2.50 |
| 2 manholes readjusted to grade | 5.00 | 23.00 | 5.00 | 10.00 |
| 1 new manhole, frame and cover | 7.00 | 23.00 | 18.00 | 24.00 |
| 10 lin.ft. manholes rebuilt | 15.00 | 8.10 | 5.00 | 10.00 |
| 6 inlets, plan 1 | 35.00 | 28.75 | 25.00 | 50.00 |
| 1 Inlet, plan 3 | 50.00 | 36.88 | 35.00 | 70.00 |
| 1 inlet readjusted | 15.00 | 17.25 | 20.00 | 50.00 |
| 1,000 lin.ft. sandstone curb, hand dressed, 6 in. x 18 in. | 2.00 | 1.44 | 1.45 | 1.70 |
| 35 lin.ft. granite curb (straight) 6 in. x 18 in. | 2.70 | 2.42 | 2.50 | 3.50 |
| 280 lin.ft. granite curb (circular) class A | 3.40 | 3.60 | 3.20 | 3.50 |
| 300 lin.ft. sandstone curb redressed | .40 | .46 | .50 | .60 |
| 300 lin.ft. curb reset | .50 | .35 | .50 | .60 |
| 30 lin.ft. sandstone headers | 1.15 | 1.75 | 1.00 | 2.00 |
| 5,230 sq.yd. concrete base, 6 in. | 2.00 | 1.40 | 1.45 | 1.75 |
| 5,230 sq.yd. concrete base, 7 in. | 2.15 | 1.65 | 1.65 | 2.05 |
| 5,230 sq.yd. concrete base, 8 in. | 2.30 | 1.90 | 1.85 | 2.30 |
| 6,550 sq.yd. repressed brick pavement asphalt filler | 2.45 | 2.40 | 2.35 | 2.70 |
| 1,085 sq.yd. repressed brick pavement inside cartrack | 2.50 | 2.50 | 2.40 | 2.70 |
| 475 sq.yd. sheet asphalt pavement, plan A Trin. | 1.68 | 1.50 | 1.70 | 1.70 |
| 475 sq.yd. sheet asphalt pavement, plan A Tex. | 1.56 | 1.50 | 1.60 | 1.60 |
| 475 sq.yd. sheet asphalt pavement, plan A Mex. | 1.56 | 1.40 | .... | 1.60 |
| 475 sq.yd. one course concrete pavement (8 in.) gravel | 3.10 | 3.05 | 3.25 | 3.50 |
| 475 sq.yd. one course concrete pavement (8 in.) slag | 3.30 | 2.80 | 3.25 | 3.50 |
| 475 sq.yd. one course concrete pavement (8 in.) limestone | 3.40 | 2.95 | 3.40 | 3.70 |
| 125 sq.yd. brick pavement relaid | 1.90 | 1.20 | 3.00 | 3.00 |
| 5,400 sq.ft. cement walk—2 course (3 in.) | .23 | .185 | .20 | .24 |
| 8,900 sq.ft. cement walk—2 course (4 in.) | .27 | .25 | .24 | .27 |
| 50 lin.ft. galv. iron pipe railing (2 in.) | 3.00 | 2.60 | 2.50 | 3.00 |
| 4 conc. monuments | 15.00 | 3.50 | 10.00 | 12.00 |
| 3 street signs acc. 5570 | 20.00 | 20.00 | 20.00 | 20.00 |
| 5,920 lin.ft. rails prepared with bit. strips | .18 | .24 | .17 | .20 |
| 100 ton asphalt binder Trinidad | 10.00 | 11.50 | 8.00 | 10.00 |
| 100 ton asphalt binder Texaco | 9.00 | 11.50 | 7.00 | 9.00 |
| 100 ton asphalt binder Mexican | 9.00 | 11.50 | .... | 9.00 |
| 600 cu.yd. cinders | 1.75 | 1.30 | 1.20 | 1.50 |
| 15 lin.ft. 4 in. W. I. drain | .70 | 1.15 | .25 | .75 |
| 750 porcelain markers, whole | .50 | .50 | .60 | .60 |
| 100 porcelain markers, half | .30 | .25 | .30 | .30 |
| Totals: limestone aggregate for conc.—6 in. base | $141,543 | $152,105 | $153,244 | $182,937 |
| Totals: gravel aggregate for conc.—6 in. base | 140,880 | 152,502 | 152,473 | 182,142 |
| Totals: slag aggregate for conc.—6 in. base | 141,148 | 151,684 | 152,473 | 182,142 |

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Los Angeles County, Calif., called for bids as follows: 475,000 cu.yd. River Wash excavation below el. 1,360 class 1; 875,000 cu.yd. open cut excavation, class 2; 3,250,000 cu.yd. mass concrete. There were three propositions, as follows: (1) contractor to furnish all concrete aggregates; (2) contractor and district each to furnish 50 per cent of aggregates; (3) district to furnish all aggregates. Following are the bids on proposition (1) and (3), as submitted by the following contractors: (A) MacDonald & Kahn, Financial Bldg., San Francisco, and Edwards, Wildey & Dixon, Los Angeles; (B) Utah Construction Co.; (C) John Griffiths Co.

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| | A | B | C |
|---|---|---|---|
| 475,000 cu.yd. excav., deep | $0.98 | $2.10 | $2.50 |
| 875,000 cu.yd. excav., open | 1.74 | 2.40 | 3.20 |
| 3,250,000 cu.yd. concrete | 2.29 | 3.25 | 3.25 |
| Concrete, Proposition No. 3 | 2.19 | 2.95 | 2.90 |
| Total bids were respectively: | | | |
| (1) | $9,946,710 | $14,440,807 | $15,975,310 |
| (3) | 9,621,710 | 13,465,807 | 14,832,810 |
| | $325,000 | $975,000 | $1,143,500 |

C. I. pipe, class 150 lb. at Compton, Calif.—3,359 ft. 4 in., 38c. per ft. and 1,830 ft. 8 in., 73.5c. per ft.

C. I. pipe in Chicago, 432 tons 12 in., $34 per ton.

Cement, New York, 4,000 bags, 62.5c. each; 250 tons asphalt cement, $22.73 per ton.